

PICTURE-TAKING

1965 PHOTOGRAPHY
1961 DIRECTORY
AND BUYING GUIDE

STILL CAMERAS:

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TODAY'S CAMERAS

What to look for when buying

Buying a camera can be one of the most challenging and rewarding experiences of your photographic life, but getting the right camera for you is a little bit like buying a house. It's something that must be tailored to your individual needs—and in picture-taking, those can be crucially important.

Before you can intelligently study this directory and other photographic catalogs and literature in search of that one best camera for you, you have to have some idea of what you're looking for. That means that you have to consider what type of picture-taking you do the most of, what format will best suit your needs, what focusing system will help you the most, and many other factors. Now let's look at some of these criteria that the smart camera buyer thinks about.

CONSIDER TYPE OF PICTURES YOU WILL TAKE

Probably the first consideration is this: what kind of pictures are you going to take? Are you a beginner who wants to get only snapshots of your family with a minimum of fuss, expense, and effort? Then perhaps one of the box cameras is for you, for these simple models now often come with acceptable lenses, good viewfinders, and even spring-wound motors. Some have built-in automation for a few extra dollars that help the novice to get the right exposure without knowing the abc's. With most of them, you merely have to point your camera and shoot.

However, you may be one of those dedicated hobbyists who likes to get super-sharp pictures of stamps and coins, flowers and insects, or other small objects that call for extreme magnification. Then you're likely to turn to a single-lens reflex that permits you to focus and frame your picture with a high degree of accuracy. Maybe you haven't taken a snapshot of your children in years, and don't intend to.

And then there are the photojournalistic types, professional and amateur, who treasure those "decisive moments" when they can capture unobtrusively that not-to-be-forgotten slice of life. Their camera is generally the rangefinder 35-mm that lets them shoot at slow speeds with a silent shutter, working and probing like a writer who takes notes.

The dedicated photographer who wants the maximum in print quality as he works slowly and deliberately may prefer the larger-format view and press cameras. And at the other extreme are the subminiature fans and sub-35 users who want a nearly weightless instrument they can carry in their coat pockets always at hand.

Obviously, no single camera is going to serve all these different types of camera users and the many others who have special needs and purposes in picture-making. That's why it's so important to get a camera that does what you want it to do. You may purchase a quality instrument that does a wide variety of things well, but if it does not help you get the type of pictures you want, the quality is lost, and your money has been misspent. On the other hand, far too many shoppers look for bargains: cameras crowded with gadgets and conveniences, at a minimal price. They end up with a camera that does everything, but nothing well.

Perhaps most photographers look for a compromise between these extremes. They prefer a camera that's reasonably compact and easy to handle, one that will let them shoot both color slides and black-and-white shots. If they plan to become creative photographers, they want one with the necessary controls: a wide range of shutter speeds and lens apertures, and probably one that takes interchangeable lenses or accessory optics of high quality. They may want a built-in exposure meter or they may prefer to work with a separate meter; a good argument can be made for either. But even the most versatile cameras have their limits; you must decide if your particular type of picture taking falls within these limits.

One of the first choices you can make in narrowing down your selection is in film size. Obviously, one of today's most popular is the 35-mm, with the color slide industry built around it. It can boast of being small in size, having the biggest film load (outside of the sub-35 cameras) and offering the widest choices of lenses (including the fastest). But even the versatile 35-mm has limits. If you want to make architectural and view-camera vistas showing every possible bit of detail, you'll do better with the larger-format cameras. The reason is chiefly that they require a much smaller degree of magnification in enlargements than does 35-mm.

The 120 format is often considered a compromise between the 35-mm and the sheet-film cameras. Many like its film load of 12 exposures, finding it easier to finish than a 20- or 36-exposure 35-mm cartridge. And since a number of projectors are made today to take the 2¼-size slides, they can be excellent for color work. Many professionals like this size, since transparencies can be viewed without projecting them and the format lends itself to high-quality enlargements. The 2¼ SLR has become increasingly popular, but because of its large mirror and moving parts, it is not a candid camera in the sense that the 35-mm SLR is. Many people still prefer the twin-lens reflex which lets them shoot at waist-level and keep their subjects constantly in view, an important consideration for shooting precisely at the time of exposure. A few even offer interchangeable lenses.

The sheet-film cameras in the formats larger than 120 also have their advantages. They permit a variety of corrections for distortion and relatively simple processing. Some of the press models have been made amazingly lightweight and mobile, and they get the big negative with superlative ease. In certain fields of photography, they are a must. Some highly specialized films come in sheets—including Polaroid Land negative for on-the-spot processing.

WHAT FOCUSING SYSTEM SUITS YOU BEST?

Assuming you've chosen the size and format you think will be best for you, consider next the way you see your picture before releasing the shutter. This is clearly one of the most vital considerations and yet one that is sadly neglected. For example, many eyeglass wearers have great difficulty in both focusing and seeing the composition with certain types of finders. Some of them swear by the waist-level viewing of the twin-lens reflexes. Others feel that only the rangefinder cameras allow them to see well and focus accurately and quickly. A few will even get those cameras which permit the viewfinder eyepiece to be ground optically to their eyeglass prescription. It's a highly personal matter, since everyone sees differently, whether or not they wear glasses. Briefly, let's review the different types of viewing and focusing systems.

The simplest is zone focusing, in which you set your camera (usually by means of a dial) on one of two or three distance markings (such as portraits, groups, and land-

scapes). Then you merely look through the viewfinder which gives you the images clear and lifelike (as your eye would see them) and shoot.

The rangefinder, on the other hand, is a device built into the viewfinder which determines the distance of the subject by triangulation from two points on the camera body. It may show you two images that become one as you turn the lens barrel to correct focus. Or it may be the split-image type whereby you line up the top and bottom halves of a small part of your subject in the center of the viewfinder. Each type has its adherents, and again your choice should be the one that permits you to focus quickly and accurately. Once again, you view the scene as your eye sees it—not as the camera records it or the lens sees it.

For a far different type of viewing, there are single-lens reflex cameras which generally give you groundglass viewing through the lens. This means that you tend to see the scene much as it will appear in your picture (with great depth of field when your aperture is high and shallow depth when your aperture is low). And since you are looking at an image coming through the lens (not from a window above as with the rangefinder models), your framing and composition can be more precise. Some of the reflex models also have split-image rangefinders or multi-prism groundglasses built in. But these systems are generally not quite as accurate as those in ordinary rangefinder models.

RANGEFINDER OR REFLEX?

Each system has its advantages and disadvantages. Because of the limitations of the human eye, it is generally agreed that you can focus more quickly and accurately (especially in low-light levels) with rangefinder systems. It is also agreed that for pre-visualizing the picture, the reflex stands out, even though you do not generally see the image at the exact instant you shoot (except with the twin-lens models). Also, the reflex is a necessity with the longer lenses, not only because of the need for more precise framing but because existing rangefinder systems are not used beyond certain focal lengths (135-mm in the 35-mm cameras). And for extremely critical focusing in close-up work, a reflex system is vital, although it is also more demanding of the human eye. Again, it's all up to you and the way you see.

That's why it's important to pick up a camera and actually shoot pictures (or at least aim and focus and click the shutter as if you were) when you're shopping for a camera. Even the placement of the shutter release may be important to you. For example, if you're right-handed and the shutter release is placed on the left (as it is on a few models), this may be a source of discomfort and take considerable getting accustomed to. Some shutter release buttons are pressed down, while others are pressed inward. If you get used to one type, the other seems strange and unfamiliar. You naturally want a camera whose shutter release works smoothly and easily, so that any camera movement comes from the moving parts inside the camera and not from you.

LOOK FOR EASE OF OPERATION

It follows that any camera should permit ease of operation. You should be able to focus with one hand, advance the film and release the shutter with the other hand. You may hit upon a few models that boast a rapid film lever only to find that when you want to hold the camera to your eye and get a sequence in rapid fashion, it cannot be done without poking yourself in the eye each time you advance the film. Some cameras have trigger-type film advances that have their adherents and detractors. Like

all the mechanical operations of the camera, the film advance should be something that can be done smoothly and mechanically, so that you can concentrate on seeing the picture.

One of the blessings of the highly automated cameras is that they do permit you to concentrate fully upon the picture. With some of them, you merely point the camera and shoot after advancing the film. However, you begin to surrender many of the most creative controls of the photographer with the most highly automated, because you are not able to tell what your shutter speed or aperture is. Those automated models which permit you to go "manual" and set your own shutter speed and aperture choice would seem to be best for those who want to discover photography most intimately.

This limited degree of automation is found in the cameras that have built-in exposure meters which can be bypassed or uncoupled. These are usually the match-pointer models which give you a choice of either shutter speed or aperture which you adjust to a needle indicator. But this brings up the question of whether the built-in meter or separate meter is best.

A few years ago this might not have been debatable, but now the built-in and clip-on meter have become highly sophisticated, utilizing CdS cells and having a narrow angle of light acceptance (highly desirable for long-lens work). No built-in or clip-on meter is going to offer at the present time the high degree of versatility and precision that can be built into some larger, separate light meters. But for the ease and comfort of having a meter on the camera (that cannot be forgotten or left behind), they are surprisingly valuable and may be just what you require for your type of shooting. In at least two cases, the meter measures the light actually passing through the lens. The shutter-speed range on automated cameras has been greatly extended, as the listings on the following pages indicate.

TWO-CAMERA OWNER HAS DIFFERENT OUTLOOK

In this age of two-car families, having a second camera is hardly a rarity. For that reason, it makes a great deal of difference if the camera you are buying is to be your one and only or the second or third addition to your store of camera equipment. If it has to be the only camera you will possess, you are likely to want one of the versatile models that will permit you to work in the many areas of photography. But if you already have such a camera, you might consider something entirely different, one that is especially adaptable to a particular hobby of yours.

There seem to be two major schools of thought on what you should get for your second camera. The first one holds that you should go along with the system you began with. If you have a reflex camera that takes interchangeable lenses, you should get another camera body of the same type and a different focal length lens. That way, you can shift your lenses between cameras, use one camera for color and the other for black-and-white, and thus build an integrated system of camera equipment. Since both cameras will be similar in operation, you will be able to move from one to the other almost automatically. And should one suffer from mechanical failure or be damaged, you have the other ready to take its place.

The other theory about the second camera is that it should be something very different from the first. Thus if you began with a 35-mm, your next camera might be a 120-format model or a Polaroid Land model. Next you might acquire a 4x5 press camera or even a subminiature. In this way, you would grow familiar with many types of cameras. And if you had mastered successfully each type before buying the next,

you would be able to take almost every conceivable type of picture. Moving from one field of photography to another in that way would provide a wide range of enjoyment and variety, for each new camera would provide a challenge until it was mastered. When you momentarily tired of one type of shooting, you could easily change to another.

But whether it's the first, second, or eighth camera you're buying, you owe it to yourself to take advantage of all the help and advice you can possibly get. The directory of still cameras that follows will give you the concrete facts in concise form about the equipment you are considering. For further details and additional pictures and drawings on the various parts, you can write to the manufacturers or distributors listed at the back of the book. Check also with your local camera dealer, who can supply you with much of the information you want and perhaps suggest sources where you can find further information.

TALK IT OVER WITH FELLOW PHOTOGRAPHERS

Finally, talk to and learn from your fellow photographers. Ideally, find one who is more advanced than you are and who owns more equipment. Get his advice and find out what his experiences have been with particular cameras. Let him show you why he thinks a certain camera is best for a special kind of picture. If he can prove to you that one type is more versatile than another, take this into consideration.

However, don't blindly take his word for everything. There's nothing like having the camera in your hands, using it as you do and making the pictures you are in the habit of making. As you shoot with the camera, notice how it feels and whether its operation seems smooth and natural to you. If you're lucky, your photographic friend will lend you a model of the type you want to buy so that you can make these practical tests by actually shooting film.

If you don't happen to have such a photographic friend with such equipment, look for a camera club near you. Most club members are more than willing to be helpful to anyone looking for advice. Undoubtedly, you'll find proponents of different points of view there, and a good, hot club debate will give you plenty of information on what type of camera each person thinks is best. All this should be useful to you in helping to make your decision as to what to buy.

TRY ONE BEFORE YOU BUY

If you have a solid reputation with your local camera dealer, he will usually be glad to let you take a camera on a trial basis to find out if it's the one for you. This is especially true if you're planning to buy one of the higher-priced models. It's to his own best interest to make you a satisfied customer and photographer. If he's reluctant to let you take the camera out of the store for such tests, ask him if you can shoot off a roll with the camera inside the store. You won't get a variety of pictures, but at least you can satisfy yourself as to the camera's mechanical operations and the ease with which you can focus and view.

In some cities, you'll be able to rent a camera similar to the one you want to buy. It's worth the expense if you're going to get a camera that calls for more than the ordinary in price. It can't be said too often: the only way to really find out about a camera is to have it in your hands and to shoot pictures with it.

In summary, here's a brief checklist of some of the important steps you should take if you want to be a perceptive and satisfied camera buyer.

1. Make a list of the kinds of pictures you want to take or anticipate taking. For example, you might write down "portraits, children playing, family groups, landscapes on vacation trips, etc." Or it might be "close-ups of flowers, sports action, architectural record shots of famous buildings." Then, opposite each type of pictures, write down the special features the camera should have to get that type of pictures, i.e., "close-ups—reflex housing, sports—high shutter speeds." This will help you determine what features you want for your ideal camera.

2. Carefully check the still camera listings in this directory for every type of camera that might meet your needs. See if the price is within your range, but don't rule out any that might be slightly higher than you are thinking of getting. Prices given here are suggested list prices and can vary considerably from store to store and throughout the nation. Your dealer might have an attractive special price on just the model you thought you couldn't afford.

3. Take your list of preferred models to your camera store and ask to see and handle as many of them as possible. Don't by any means feel that you have to buy one the first time you walk into the store. Look at each camera carefully and make mental notes on what seem to be the advantages of each.

4. Talk to someone whose judgment you believe is good and who can help you make up your mind. If he is so inclined, let him play the role of the devil's advocate and try to talk you out of your choice. If you can convince both him and yourself that you've made the right choice, it very likely is.

5. Go back to the store that offered you the best value (not just in price but in terms of service, guarantee, delivery, and numerous other intangibles) in the camera you feel is best for you. Don't consider buying any camera that doesn't feel "right" in your hands or in which you notice any unusual stiffness or inconsistency of mechanical operation. Don't be switched at the last minute by a few dollar's difference or a clerk's sudden enthusiasm for another model.

Have the clerk open the box of the new camera, take it out, and see that it is functioning properly *before you leave the store with it*. Make certain you have a good guarantee (there is no such thing as an ironclad one) that protects you. But also remember that you are buying a camera, not a guarantee. Your purchase will be worthless if the camera spends more time in the hands of the manufacturer being repaired than in yours.

6. Take the camera home and shoot several rolls of film with it under a variety of conditions. Tape a newspaper on the wall and shoot it at the different lens apertures (with the camera on a tripod) to test whether the lens focuses accurately. But even more important, take the type of pictures that you're going to be shooting with the camera. Practical test shots like this are very important. Warning! Don't rush in and buy a new camera to take on a long trip without first thoroughly testing it under similar shooting conditions.

7. Have the film processed and preferably get enlargements. If you can come up with one excellent picture, this would indicate that the camera is functioning as it should. But if you have only one or two good ones, it may indicate that there is something wrong with the way you are using the camera. This may be the camera's fault or yours. Every camera takes a bit of getting used to, but if the camera does not work for you, its quality has no meaning as far as you are concerned. Try another in the same way until you get one that gives the type of pictures you expect. When you get such pictures consistently, you will have learned successfully how to buy a camera.

NOTICE TO READERS

We consider it a valuable service to our readers to continue, as we have in previous editions of **POPULAR PHOTOGRAPHY DIRECTORY & BUYING GUIDE**, to print the price set by the manufacturer or distributor for each item described. Almost all manufacturers and distributors provide that these prices are subject to change without notice.

We would like to call our readers' attention to the fact that during recent years the Federal Trade Commission of the U. S. Government has conducted investigations on the subject of the practices of the photographic industry and certain other industries, in fixing and advertising list prices. It is the position of the Federal Trade Commission that it is deceptive to

the public, and against the law, for list prices of any product to be specified or advertised in a trade area, if the majority of sales of that product in that trade area is at less than the list prices.

It is obvious that our publication is not in a position to know the price for most of the sales in each trading area in the United States of each of the articles which are listed. Accordingly, we are setting forth the price furnished to us by the manufacturer or distributor, for each of the products, even though it may be possible to purchase some items in your trading area (depending on where you are) at a price less than the price that is reported in this directory.—*The Publisher*

STILL CAMERAS

ROLL-FILM

ANSCO



CADET FLASH TRAVEL OUTFIT

Uses 127 film; two lens settings; built-in flash; double-exposure prevention; neck strap. Complete outfit also includes one roll Anso All-Weather film, two penlight batteries, six AG-1 flashbulbs, all in molded fitted travel case. Price, \$12.95.

CADET II

Uses 127-size film for 12 exposures; Anso lens; two-lens setting, one for black-and-white, one for color film; double-exposure prevention; neck strap. Price, including roll Anso All-Weather film, \$7.95; accessory Ansoflash Type VII, \$2.50.



CADET III DELUXE OUTFIT

Uses 127 film; two lens openings, one for color, one for black-and-white; double-exposure prevention; neck strap. Complete outfit also includes separate flash unit, two rolls Anso All-Weather film, one roll Ansochrome, 12 AG-1 flashbulbs, six clear, six blue; two penlight batteries, all packed in fitted carrying case. Price, \$15.95.

127

Uses 127-size film, gives 12 exposures; pre-set lens; flash synchronized; neck strap. Price, \$6.50; accessory Ansoflash Type VII, \$2.50.

MFR., Anso Products

ARGUS

MODEL 127 CAMERA KIT

Roll film, size 127; Argus Lumar lens; color or black-and-white exposure settings; double-exposure prevention; clip-on flashgun. Price, with four AG-1 flashbulbs, two batteries, roll of black-and-white film, adjustable nylon neck strap, \$10.95. MFR., Argus, Incorporated

KODAK



BROWNIE AUTO 27 OUTFIT

Takes 127 roll film, giving 12 1 1/8 x 1 3/8-size frames; 55-mm Kodak f/8 lens; scale focusing; eye-level viewfinder; low-light signal in viewfinder; built-in CdS exposure meter, fully automatic exposure control; 1/80-sec shutter speed for daylight, 1/40-sec for flash; built-in AG-1 flash holder; double-exposure prevention. Price, under \$35, includes

roll Verichrome film, four AG-1 bulbs, two AA batteries, adjustable neck strap, flash guard, instructions.

BROWNIE FIESTA

Roll-film size 127, 12 exposures, negative size $1\frac{1}{2} \times 1\frac{1}{8}$, fixed-focus $f/11$ lens; single shutter speed; direct optical-type viewfinder; flash synchronized for AG-1 bulbs; removable back; clip-on neck strap. Price, under \$6. Outfit also available including camera, flash holder, two AA-size batteries, four AG-1 flashbulbs, one roll VP127 film, and neck strap. Price, under \$10. Brownie Fiesta flash holder, for AG-1 bulbs, under \$2.55.

BROWNIE FLASHMITE 20

Uses 620 film; 12 $2\frac{1}{4} \times 2\frac{1}{4}$ exposures; lens opening is adjustable, EV 13, 14, 15; eye-level viewfinder; zone focusing; has built-in flash holder, taking AG-1 flashbulbs only; combined film/shutter wind; knob wind film transport; automatic stop; double-exposure prevention. Price, incl. neck strap, under \$18; carrying case, about \$5.30; cloud filter, about \$2.55; close-up attachment No. 7A, about \$2.55. Outfit also available including camera, six AG-1 flashbulbs, two AA batteries, one roll VP 620 film, neck strap, under \$19.



BROWNIE REFLEX 20

Uses 620 roll film, giving 12 $2\frac{1}{4} \times 2\frac{1}{4}$ exposures per roll; waist-level reflex-type finder is marked to show super-slide coverage; lens opening is adjustable, EV 13, 14, 15; zone-focusing; automatic film-advance stop; double-exposure prevention; built-in flash synchronization. Price, including adjustable neck strap, under \$20; case, under \$5.30. Accessories include Kodalite Midget Flashholder, under \$4.55; close-up and cloud filter attachments No. 7A, under \$2.55 each. Outfit with camera, flash holder, six flashbulbs, two batteries, two rolls of VP 620 film, under \$27.

BROWNIE TWIN 20

Similar to Brownie Reflex 20, but with waist- and eye-level optical finders; both marked to show super-slide coverage. Available only in outfit, with camera, flash holder, six AG-1 flashbulbs, two batteries, two rolls of VP 620 film, under \$19.

BROWNIE STARFLASH

Makes 12 $1\frac{1}{2} \times 1\frac{1}{8}$ exposures on 127 roll film; fixed focus; extra large eye-level optical viewfinder; double exposure prevention; lever to switch from black-and-white to color settings; produces square transparencies that fit 2x2 slide projector or viewer; has built-in flash holder. Price, under \$12. Also available in Brownie Starflash outfit with roll of film, two AA batteries, four M2 flashbulbs, and instruction book. Price, under \$14. Carrying case, under \$4.30.

BROWNIE STARFLEX OUTFIT

Similar to Starflash, but is twin-lens, reflex-type with hooded waist-level viewfinder. Price, outfit with one roll VP 620 film, Kodalite Supermite flash holder, two AA batteries, six AG-1 flashbulbs, and instruction book, under \$19.



BROWNIE STARMETER

Film size, 127; 12 $1\frac{1}{2} \times 1\frac{1}{8}$ exposures; $f/8$ Kodak lens, openings, EV 12-16; fixed focusing; eye-level viewfinder; built-in exposure meter, operates by transferring number from meter to lens setting; between-lens shutter, EV 12-16 settings; combined film/shutter wind; knob wind film transport; double-exposure prevention. Price, incl. neck strap, under \$23. Accessories include carrying case, under \$2.80; Midget Flashholder, under \$4.55; Supermite Flashholder, under \$4.55; close-up attachment No. 7A, under \$2.55. Available as an outfit: Brownie Starmeter camera, Supermite Flashholder, four AG-1 flashbulbs, two AA batteries, 1 roll of Verichrome Pan 127 film, neck strap, under \$29.

BROWNIE STARMITE II

Film size, 127; 12 $1\frac{1}{2} \times 1\frac{1}{8}$ exposures; $f/11$ lens with two adjustments, EV 13, 14, also marked for flash and daylight; fixed focusing; eye-level viewfinder; behind-lens

shutter, speed, about 1/50 sec, combined film/shutter wind; knob wind film transport; double-exposure prevention. Price, incl. neck strap, under \$12. Accessories available: Brownie Starlet and Starflex carrying case, under \$2.80; Kodak close-up attachment No. 6A, under \$2.55; cloud filter No. 6A, under \$2.55. Available as an outfit: Starmite camera, roll of VP 127 film, two batteries, four AG-1 flashbulbs, neck strap, under \$14.



BROWNIE SUPER 27

Takes 127 roll film; two-position $f/8$ focusing lens; auto-shift shutter sets to 1/40 sec for flash pictures, shifts speed to 1/80 sec for outdoor shooting; ratchet-action knob film transport; double-exposure prevention; two click-in lens opening settings; weighs about 12 oz; optical viewfinder. Price, including roll of Kodak Verichrome Pan 127 film, four flashbulbs, two AA batteries, and neck strap, under \$22.



WORLD'S FAIR FLASH

Box type; takes 127-size film, making 12 $1\frac{1}{2} \times 1\frac{1}{8}$ -size frames; fixed-focus lens; eye-level finder; built-in flash, taking AG-1 bulbs, operates on two AA batteries. Price, under \$8.

MFR., Eastman Kodak Co.

IMPERIAL



SIGMA 77

Roll film, size 127; achromat $f/7.7$ lens, pre-focused to 4 ft; fixed shut-

ROLL FILM

continued

ter speed; three aperture stops for all color or black-and-white films; double-exposure prevention; built-in 40-watt-second electronic flash, plugs into any house outlet, immediate recycling; flash duration: 1/1,000 sec; supplied with 9½-ft power cord; built-in ready-light shows when flash is ready for use; weight, 19 oz. Price, \$39.95. Kit, including roll of Kodacolor 127 film and fitted case, \$49.95. Case separately, \$8.75.

MFR., Imperial Camera Corp.

MAKO



SHARK

Underwater camera; role film, size 620; 12 2¼x2¼ exposures; models with or without B-C flash; tested to 80 ft; shutter speed, 1/55 sec; fixed-focus lens. Price, \$19.95.

MFR., Mako Products

PERLE

JUNIOR

Folding, 120 roll film; 12 exposures 2¼x2¼; 75-mm Steiner Bayreuth f/3.5 lens in Vario shutter, speeds 1/25 to 1/200 sec and B; built-in flash synchronization; eye-level finder; manual focusing; shutter locks when camera is closed; focusing and diaphragm scales visible from above; tripod socket; flash shoe; film reminder on winding knob. Price, \$21.95; leather case \$2.95.

MFR., Burke & James, Inc.

REFLEX AUTOMATIC

ELECTRIC EYE MODEL 7210

Twin-lens reflex type; takes 620 film, 2¼x2¼ frame size; Achromat 85-mm lens with openings from f/22 to f/8, fixed-focus; waist-level viewfinder; built-in exposure meter, fully automatic exposure control; behind-lens shutter, 1/70-sec speed, EVS setting, self-cocking, M synchroniza-

tion; knob-wind film transport; double-exposure prevention. Price, including flashgun, carrying case, \$29.95.

MFR., United States Camera Corp.

SABRE

MODEL CF 620

Box camera; 12 2¼x2¼ exposures on 620 film; fixed-focus lens; optical eye-level viewfinder; flash synchronized; plastic construction. Comes complete with M-2 flashgun; requires no external wires. Price, \$3.95.

MFR., Brumberger Co. Inc.

TOWER

AUTOMATIC 127 OUTFIT

Automatic outdoors or in; 12 exposures on 127 film; f/5.6 lens, minimum focusing distance, 4 ft; dim-light warning signal in viewfinder tells when to use flash; flash exposure automatically sets as camera is focused; reads in ASA speeds 16 to 125; double-exposure prevention. Price, including built-in flash, batteries, bulbs, film, and neck strap, \$17.50.

127 AUTOMATIC II KIT

Similar to Tower Automatic 127 but with die-cast metal body and leatherette trim; hinged clear flash shield; built-in combination lens shade and retaining ring for series 6 filters; special portrait attachments; film, bulbs, batteries, and neck strap. Price, \$24.50.

DIST., Sears, Roebuck and Co.

USC



AUTOMATIC 127

MODEL 7501

Box type; built-in flash; takes 127 film, 1½x1½ frame size; anastigmat 44-mm f/5.6 lens closes down to f/22, minimum focusing distance, 4 ft; eye-level viewfinder; automatic exposure control; behind-lens shutter, 1/70-sec speed; flash settings automatic, coupled to distance scale, M synchronization; knob-wind film transport; double-exposure prevention. Price, including built-in flashgun, braided neck strap, four bulbs, two batteries, roll of film, carrying case, \$25.95.



AUTOMATIC REFLEX

Built-in light meter controls lens opening; settings for use with films speed-rated from 10 to 125; built-in insufficient-light warning signal; manual control for flash pictures; takes 620 film for 2¼x2¼ frame size; reflex-style waist-level finder; fixed-focus 80-mm f/8 lens closes down to 1/22; behind-lens shutter has 1/75 sec speed, M synchronization, LVS settings; knob for film advance; double-exposure prevention. Price, \$29.95. Accessories include case, flashgun, portrait attachment, filter kit.

COMET 127 MODEL 7401

Box type; takes 127 film, 1½x1½ frame size; meniscus 44-mm lens with openings f/16 to f/11, fixed-focus; eye-level viewfinder; built-in flash unit; behind-lens shutter, 1/70-sec speed, self-cocking, M synchronization; knob-wind film transport; double-exposure prevention. Price, including built-in flash unit, braided neck strap, four bulbs, two batteries, roll of film, carrying case, \$9.96.

MFR., United States Camera Corp.

WHITEHOUSE



PROFESSIONAL

Close-up camera; uses 127 film; 1½x1½-in. frame size; 50-mm Whitlar f/18 lens with openings to f/45 with minimum focusing distance of 4¼ in.; two-position scale focusing and eye-level viewfinder; automatic parallax correction; behind-lens shutter, speed, 1/50 sec, self-cocking, combined film/shutter wind, M synchronization; double-exposure prevention. Price, including two close-up lenses and area frame, \$34.50.

DIST., Olden Camera Co.

35-MM RANGEFINDER

See also Half-Frame (page 23A) and Single-Lens Reflex (page 25A) cameras.

AGFA



OPTIMA I A

Agfa Color Agnar 45-mm f/2.8 lens closes down to f/22, minimum focusing distance, 3 1/2 ft; scale and symbol focusing; eye-level viewfinder, bright frame for 45-mm focal length; built-in exposure meter with fully automatic exposure control for ASA 10-250 film speeds; behind-lens shutter, 1/30- to 1/160-sec speeds, X synchronization; combined film/shutter wind; single-stroke lever-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$64.95; case \$9; kit containing camera, case, flashgun and case, one roll Agfachrome CT18 film, \$79.95. Accessories available, filters, lens shade, close-up lens.



OPTIMA II S

Agfa Color 45-mm Apotar f/2.8 lens closes down to f/22, minimum focusing distance, 3 1/2 ft; coupled rangefinder; eye-level viewfinder combined with rangefinder, bright frame for 45-mm focal length; built-in exposure meter with fully automatic exposure control; behind-lens shutter, 1/30- to 1/250-sec speeds, M synchronization; combined film/shutter wind; single-stroke lever-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$99.95; case \$15.25; kit containing camera, case, flashgun and case, one roll Agfachrome CT18 film, \$119.95. Accessories available, filters, lens shade, close-up lens.

OPTIMA 500 S

35-mm; 45-mm Agfa Color Solinar f/2.8 lens with openings to f/22, minimum focusing distance: 3 1/2 ft; scale and coupled rangefinder focusing; eye-level viewfinder with bright frame, automatic parallax correc-



tion; fully automatic exposure control with ASA film speeds from 10 to 250; behind-lens shutter, speeds: 1/30 to 1/500 sec, combined film/shutter wind, self-timer, M synchronization; single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$129.95; leather case, \$15.25. Filters, lens shade available.

SELECTA

Standard-frame 35-mm; Agfa Color Apotar 45-mm f/2.8 lens with openings to f/22, minimum focusing distance: 3 ft; scale focusing; eye-level viewfinder with bright frame; built-in exposure meter, fully automatic exposure control with shutter-speed preselection for ASA film speeds from 10 to 250; between-lens shutter, speeds: 1/30 to 1/500 sec, combined film-shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport, automatic stop, double-exposure prevention, automatic exposure counter. Price, \$99.95; ready case, \$15.25.

SELECTA M

Standard-frame 35-mm; Color Solinar 45-mm f/2.8 lens, openings to f/22, minimum focusing distance: 3 1/2 ft; coupled rangefinder viewfinder with bright frame, automatic parallax correction; built-in exposure meter, fully automatic exposure control with shutter-speed preselection for ASA film speeds from 10 to 1250; between-lens shutter, speeds: 1/30 to 1/500 sec, conventional settings, X synchronization; lever-wind single-stroke film transport, automatic stop, double-exposure prevention. Motorized operation permits up to 30 exposures per min; operates on two penlight cells. Price, \$198; case, \$16.50.

DIST., Agfa Inc.

ANSCO



ANSCOSET II

35-mm; Rokkor f/2.8 lens; bright-line range/viewfinder; Magic Ring exposure control sets both lens

opening and shutter speed automatically with one operation, with ASA film speeds from 10 to 1600; shutter speeds from 1/8 to 1/1000 sec, self-timer, double-exposure prevention. Price, including leather case, \$84.90.



AUTOSET

Has Rokkor f/2.8 lens; fully automatic or manual exposure control; "freeze button" permits setting exposure close up to principal subject in brightly lighted scenes; shutter speeds from 1/30 to 1/800 sec, reads in EV numbers and ASA speeds 6 to 1600, self-timer; bright-frame viewfinder/rangefinder with automatic parallax correction; exposure signal visible in viewfinder tells in advance whether picture can be made and whether film was advanced after last picture; single-stroke film transport; automatic zero reset exposure counter; rewind crank, rewind release button automatically resets. Price with case, \$99.90.

MFR., Ansco Products

ARGUS

AUTOMATIC 35

35-mm; Cintagon f/2.8 lens; zone-focus settings for close, medium, distant; bright-line finder; fully automatic electric eye exposure control; shutter speeds: 1/15 to 1/250 sec plus bulb; rapid film advance; rapid rewind. Price, \$84.50.

AUTRONIC II

Standard-frame 35-mm; Argus Cintar 50-mm f/2.8 lens with openings to f/22, minimum focusing distance: 3 ft; coupled rangefinder viewfinder, eye-level viewing, bright frame for 40-, 50-, 75-mm focal lengths; built-in exposure meter, fully automatic exposure control with ASA film speeds from 10 to 400; between-lens Compur shutter, speeds: 1/30 to 1/500 sec plus B, additive system settings, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport, automatic stop, double-exposure prevention, automatic exposure counter. Price, \$89.95; with leather carrying case and folding flash unit, \$109.95; leather carrying case, \$14.95; kit containing supplementary 40-mm wide-angle and 75-mm telephoto lens with viewfinder in carrying case, \$44.95.

continued on next page

35-MM RANGEFINDER

continued



STANDARD C-3

50-mm Cintar $f/3.5$ lens; behind-the-lens shutter, $1/10$ to $1/300$ sec., & B; flash synchronization; eye-level finder; separate coupled rangefinder; exposure counter. Price, with case, \$44.95; with case and flash unit, \$54.95.



MATCH-MATIC C-3

Similar to Argus C-3 described above, but with shutter dial calibrated for action, scenes; shutter setting is used in conjunction with photoelectric exposure meter to find correct lens opening automatically; 50-mm Cintar $f/3.5$ lens. Price of camera with 50-mm lens, case, flash attachment and light meter, \$64.95. MFR., Argus, Incorporated.

AUTO TARON 35



Combined range-viewfinder; 5-element 45-mm Lausar $f/2.8$ lens, Synchro Rapid shutter, speeds $1-1/300$ sec, B, X synchronization. Single-action film advance lever and shutter wind; rapid film rewind. Red-dot safety window indicates wound shutter. Price, \$29.95; eveready case, \$4.95. Accessories include flash gun, telephoto and wide-angle attachments.

DIST., Sterling-Howard Corp.

BALDA



SUPER BALDAMATIC I AUTOMATIC

Color Baldanar 45-mm $f/2.8$ lens closes down to $f/22$, minimum focusing distance, $3\frac{1}{2}$ ft; eye-level viewfinder combined with rangefinder with bright frame, automatic parallax correction; automatic exposure control after presetting f -stop; between-lens shutter, $1/30$ to $1/500$ -sec speeds, combined film/shutter wind, X synchronization; single-stroke key-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$109.50; ready case, \$10.50; accessories available, lens shade, filter holder, taking series 6 filters.

BALDESSA



MODEL F

35-mm; 45-mm Color-Baldanar $f/2.8$ lens; zone focusing; eye-level viewfinder; fully automatic exposure control with ASA film speeds from 16 to 1600, according to prevailing light-condition settings; shutter speeds: $1/30$ to $1/125$ and B; built-in pop-up flashgun. Price, \$39.95; ready case, \$10.50.

BALDESSAMAT

MODEL F

35-mm; 24x36-mm frame size; 45-mm Color Baldanar $f/2.8$ lens, openings to $f/22$, minimum focusing distance, $3\frac{1}{2}$ ft; scale focusing, color-coded zone focusing; eye-level viewfinder with bright frame; focusing range visible in finder; built-in exposure meter with fully automatic exposure control with ASA film speeds from 10 to 400; between-lens shutter, speeds $1/30$ to $1/500$ sec, fully automatic settings, combined film/shutter wind, X synchronization; key-wind, single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, including built-in flashgun and built-in lens shade with filter holder, \$69.95; ready case, \$10.50.



MODEL RF

35-mm; 24x36-mm frame size; 45-mm $f/2.8$ lens with openings to $f/22$, minimum focusing distance, $3\frac{1}{2}$ ft; scale focusing, coupled rangefinder; eye-level viewing, bright frame in rangefinder, automatic parallax correction; built-in exposure meter, fully automatic exposure control with ASA film speeds from 10 to 400; between-lens shutter, $1/30$ to $1/500$ sec speeds, fully automatic settings, combined film/shutter wind, X synchronization; key-wind, single-stroke film transport, with automatic stop, double-exposure prevention, automatic exposure counter. Price, including built-in flashgun and lens shade with filter holder, \$79.95; DIST., Kling Photo Corp.

BEAU



AUTO-TERRA

Automatic sequence repeating; 12 frames without winding; sequence or single shots; built-in motor; combined range-viewfinder with bright frame; 45-mm $f/1.9$ lens; shutter speeds from 1 to $1/500$ sec, B, FMX synch, self-timer; self-resetting exposure counter; LVS settings; snap-up rewind lever. Price, \$99.50; case, \$12.50.

DIST., Camera Specialty Co.

BEAUTY-LITE

MODEL III

Has 45-mm Beauty $f/1.9$ lens; coupled rangefinder with bright-frame viewfinder; built-in exposure meter; exposure control by aligning two indicators in window, with ASA film speeds 10 to 1,600; 1 to $1/500$ sec shutter speeds; MX synchronization; double exposure prevention; automatic exposure counter. Price, \$79.95; case, \$12.50.

DIST., Kine Camera Co. Inc.

BEIRETTE



35-mm; 45-mm Meyer Optik Trioplan $f/3.5$ lens; eye-level viewfinder; behind-lens shutter, speeds: 1/30 to 1/250 sec; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$24.95, includes cowhide case.

DIST., Petri Kine Camera Co.

BELL & HOWELL/CANON

CANONET 1.9

45-mm $f/1.9$ lens with openings to $f/22$; coupled rangefinder with bright frame, automatic parallax correction; fully automatic exposure control with ASA film speeds from 10 to 400; between-lens shutter, speeds: 1 to 1/500 sec, self-cocking, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$112.95; cowhide contour carrying case, \$16.95; cowhide ready carrying case, \$11.95; Model J-3 flashgun, \$6.95; Quint flashgun, \$14.95; lens shade, \$3.95. Also available in kits: with Quint five-bulb flash unit, ready case, and carrying strap, \$139.95; with J-3 flashgun, luxury contour case, and carrying strap, \$136.85.



CANONET 2.8

35-mm; 40-mm Canon $f/2.8$ lens with openings to $f/22$, minimum focusing distance, 3 ft; scale focusing, zone focusing visible through viewfinder; eye-level viewfinder with bright frame; fully automatic exposure control with ASA film speeds from 10 to 200; between-lens shutter, speeds 1/30 to 1/250 sec, conventional settings, combined film/shutter wind, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter.

Price, including J-3 flash and case, ready camera case and strap, \$97.85. Also available in kit with case, strap, and Quint five-bulb flash unit, \$105.85. Accessories available: contour case, \$16.95; ready case, \$10.95; filters, \$7.95; neutral density filters, \$8.95; lens cap, 75 cents; cable release, \$2.25.



MODEL 7

50-mm $f/1.8$ lens with openings to $f/22$, interchangeable; coupled rangefinder with bright frame for 28- to 135-mm focal lengths, automatic parallax correction; built-in exposure meter calibrated in ASA film speeds from 10 to 800, exposure control by aligning two indicators on top of camera housing; focal-plane shutter, speeds: 1 to 1/1,000 sec, MX and FP synchronization; single-stroke film transport with double-exposure prevention. Price, \$289.95; with 50-mm $f/0.95$ lens, \$499.95; with 50-mm $f/1.4$ lens, \$329.95; with 35-mm $f/1.5$ lens, \$369.95; with 35-mm $f/2$ lens, \$329.95; ready case for camera with any except 50-mm $f/0.95$ lens, \$17.95; ready case for camera with $f/0.95$ lens, \$21.95; camera holder L, \$15.95; lens cover, \$1; accessory coupler for slip-on speedlight, \$9.95; film magazine, \$4.95; locking cable release, \$2.25; flash unit V2, \$18.95; sidelighting unit V, \$17, with extension cord, \$21.50; adapter for V2 flash, \$1.25; capacitor, \$2.

DIST., Bell & Howell Co.

CALYPSO



AMPHIBIOUS

35-mm; 35-mm Som Berthiot Flor $f/3.5$ lens with openings to $f/22$, minimum focusing distance, 2 1/2 ft, interchangeable with "O" ring pressure sealed mount; scale focusing; eye-level viewfinder; focal-plane shutter, speeds, 1/30 to 1/1,000 sec, conventional settings, combined film/shutter wind, MX synchronization; lever-wind single-stroke film transport with automatic stop, automatic exposure counter. Price, \$160;

heavy plastic case, \$9.95. Accessories available: underwater sports-finder, flash adapter, underwater flash attachment.

DIST., U. S. Divers Co.

CERTO



SUPER DOLLINA II

Compur Rapid Synchro shutter, speeds from 1 to 1/500 sec; built-in flash synchronization; coupled rangefinder; optical-type viewfinder. Price, with $f/2.8$ Zeiss Tessar lens, \$119.50; ready case, \$9.95.

DIST., Camera Specialty Co.

COLORA



35-mm 50-mm Novicar $f/2.8$ lens with openings to $f/22$, minimum focusing distance: 3.5 ft; scale focusing; eye-level viewfinder with bright frame, parallax correction for close-ups, centering point; between-lens shutter, speeds: 1/30 to 1/125 sec and B, conventional settings, self-cocking, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport, with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$35; ready case, \$4.95. Accessories available: filters, lens shades, Proxar lenses, flashgun, exposure meter.

COLORA F

Similar to Colora but has built-in pop-up flashgun for AG-1 bulbs. Price, \$39.95.

DIST., Carl Zeiss Inc.

CONTESSA

LK

35-mm; 24x36-mm frame size; 50-mm Zeiss Tessar $f/2.8$ lens with openings to $f/22$, minimum focusing distance, 3.5 ft; scale focusing; eye-level viewfinder with bright frame; built-in exposure meter for use with ASA film speeds from 10 to 800, exposure control by aligning

35-MM RANGEFINDER

continued



two indicators on top of camera housing or inside finder window; between-lens shutter, speeds, B and 1/15 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$94; ready case, \$8. Accessories: filters, lens shades, Proxar lenses, Contameter close-up device, Ikoblitz flashgun.

LKE

35-mm; 24x36-mm frame size; 50-mm Zeiss Tessar f/2.8 lens with openings to f/22, minimum focusing distance, 3.5 ft; coupled rangefinder focusing; eye-level viewfinder combined with rangefinder, bright frame; built-in exposure meter for use with ASA film speeds from 10 to 800, exposure control by aligning two indicators on top of camera housing or inside finder window; between-lens shutter, speeds, B and 1/15 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$109; ready case, \$12.50. Accessories: filters, lens shades, Proxar lenses, Contameter close-up device, Ikoblitz flashgun.

CONTESSAMAT

35-mm; 45-mm Color-Pantar f/2.8 lens with openings to f/22, minimum focusing distance: 3.5 ft; scale focusing; eye-level viewfinder with bright frame, parallax correction for close-ups; built-in exposure meter and fully automatic exposure control with ASA film speeds from 12 to 400; exposure control on top of camera housing and inside finder window; between-lens shutter, speeds: 1/30 to 1/125 sec and B, conventional settings, self-cocking, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$79.95, including ready case, rubber lens shade, Ikoblitz 5 cord-type flashgun. Accessories available: filters, Proxar lenses.



CONTESSAMAT SBE

35-mm; 24x36-mm frame size; 50-mm Zeiss Tessar f/2.8 lens with openings to f/22, minimum focusing distance, 3.5 ft; coupled rangefinder focusing; eye-level viewfinder combined with rangefinder, bright frame; built-in exposure meter provides fully automatic exposure control with ASA film speeds from 10 to 800; also automatic flash control; between-lens shutter with speeds B and 1 to 1/500 sec, conventional settings for manual operation, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$129; ready case, \$12.50. Accessories: filters, lens shades, Proxar lenses, Contameter close-up device, Ikoblitz flashgun.



CONTESSAMAT SE

35-mm; 45-mm Color-Pantar f/2.8 lens with openings to f/22, minimum focusing distance: 3.5 ft; coupled rangefinder focusing; eye-level viewfinder combined with rangefinder, bright frame, parallax correction for close-ups; built-in exposure meter and fully automatic exposure control with ASA film speeds from 10 to 800, exposure control on top of camera housing and inside finder window; between-lens shutter, speeds: 1/30 to 1/500 sec and B, conventional settings, self-cocking, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$99.95; ready case, \$12.50. Accessories available: filters, lens shades, Proxar lenses, Contameter, cordless-type flashgun.

DIST., Carl Zeiss, Inc.

CONTINA

35-mm; 24x36-mm frame size; 45-mm Color Pantar f/2.8 lens with openings to f/22, minimum focusing distance, 3.5 ft; scale focusing; eye-level viewfinder with bright frame; between-lens shutter with speeds B and 1/30 to 1/250 sec, conventional



settings, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$54; ready case, \$8. Accessories: filters, lens shades, Proxar lenses, Contameter close-up device, Ikoblitz flashgun, Ikophot exposure meter.



CONTINA L

35-mm; 45-mm Color-Pantar f/2.8 lens with openings to f/22, minimum focusing distance: 3.5 ft; scale focusing; eye-level viewfinder with bright frame, parallax correction for close-ups; built-in exposure meter operates with ASA film speeds from 12 to 800, manual exposure control; between-lens shutter, speeds: 1/30 to 1/250 sec and B, conventional settings, self-cocking, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$59.95; ready case, \$8. Accessories available: filters, lens shades, Proxar lenses, Contameter, cord-type flashgun.

CONTINA LK

Similar to Contina L but with coupled exposure meter for matching-needle-type control, operating with ASA film speeds from 10 to 800. Price, \$74.95.

DIST., Carl Zeiss, Inc.

DOLPHIN

N-35

Underwater unit; consists of Dolphin 35 and Nikkorex 35-mm semi-automatic single-lens reflex camera with 50-mm Nikkor f/2.5 lens; case includes plastic gears for f-stop, focus, and speed controls plus controls to advance film and release shutter; guaranteed to depth of 150 ft; case available separately. Price, unit, \$219.50; case only, \$119.50.

MFR., Sea Venture Products

EDINEX



SYNCHRO

Lens is 50-mm Rodenstock Heligon $f/2$, minimum focusing distance, 4 ft. Compur Synchro shutter, speed range from 1 to 1/500 sec, B, M synchronization; optical-type, eye-level viewfinder; automatic exposure counter. Price, \$28.95. Accessories include: flashgun, filter adapter, shade, 2x2 slide-viewer.



MODEL III-S

Lens is 50-mm Schneider-Xenon $f/2$, collapsible mount; minimum focusing distance, 3 ft; Compur Rapid Synchro shutter, speeds 1 to 1/500 sec and B; built-in flash synchronization; coupled rangefinder; optical-type eye-level viewfinder; removable back for groundglass focusing. Price, \$67.50; with $f/2.8$ lens, \$37.50; ready case, \$5.50. Accessories include flash gun, filter adapter, shade, and 2x2 slide viewer.

DIST., Sterling-Howard Corp.

FUJICA



AUTO-M

Fujinon $f/2.8$ lens; automatic parallax correction; built-in coupled rangefinder; electric eye exposure control, fully automatic or manual; correct combination for both picture and light situation can be set; shutter speeds: 1/30 to 1/500 sec, MX synchronization; single-stroke film advance; close-up light lock; shutter will not operate if light is too dim. Price, \$99.95; leather case, \$12.95; accessories, lens shade, filters, hand grip.



35 EE

Fujinon 45-mm $f/1.9$ lens closes down to $f/22$, minimum focusing distance, 2 1/2 ft, interchangeable with lens converters; eye-level viewfinder coupled with rangefinder, bright frame, automatic parallax correction; fully automatic exposure control; between-lens shutter, 1 to 1/1,000-sec speeds, combined film/shutter wind; MX synchronization; self-timer; lever-wind single-stroke film transport; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$124.95; leather case, \$12.95. Accessories available: wide-angle and telephoto converters, hand grip, lens shade with case, optical glass filters.

DIST., Fuji Photo Optical Products

GAMMA

35-mm; 24x36-mm frame size; accepts all Leica lenses including telephoto and wide-angle; Leica-type screw-thread lens mount; coupled rangefinder; eye-level viewfinder combined with rangefinder; focal-plane shutter with speeds from 1 to 1/1,000 sec and B, MX synchronization; knob-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, body only, \$90.

DIST., Camera Specialty Co.

HALINA

MODEL 35X

35-mm; 45-mm $f/3.5$ lens; eye-level viewfinder; self-cocking shutter, X synchronization; lever-wind single-stroke film transport. Price, \$19.95, including case.

DIST., Petri Kine Camera Co.

HAMANO

35-II

35-mm; 45-mm Tokinon $f/2.8$ lens with openings to $f/16$; eye-level viewfinder; built-in exposure meter, exposure control by aligning two indicators on top of camera housing; shutter speeds: 1/25 to 1/300 sec, self-cocking, X synchronization; lever-wind film transport. Price, \$39.95; case, \$9.95.

DIST., Petri Kine Camera Co.

KALIMAR

MODEL A

35-mm; 45-mm Isco-Gottingen $f/2.8$ lens with openings to $f/16$, minimum focusing distance: 3.3 ft; scale

focusing; eye-level viewfinder; between-lens shutter with speeds from 1/60 to 1/250 sec, conventional settings, MX synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$24.95; case, \$7.95. Flashgun available.



MODEL AM

35-mm; 45-mm Isco-Gottingen $f/2.8$ lens with openings to $f/16$; minimum focusing distance: 3.3 ft; scale focusing; eye-level viewfinder; built-in exposure meter operates with ASA film speeds from 12 to 800; shutter speeds: 1/60 to 1/250 sec, conventional settings, MX synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$49.95; case, \$7.95. Flashgun available.



MODEL C-64

35-mm; 45-mm Kalimar $f/3.5$ lens with openings to $f/16$, minimum focusing distance: 3.5 ft; scale focusing; eye-level viewfinder; between-lens shutter with speeds from 1/30 to 1/125 sec, conventional settings, X synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$24.95; case, \$5.95. Flashgun available.

MFR., Kalimar Inc.

KODAK

AUTOMATIC 35F

35-mm; 44-mm Ektanar $f/2.8$ lens closes down to $f/22$, minimum focusing distance, 3 ft; three-position zone focusing, with "close up," "group," and "scene" symbols visible in finder; exposure meter for use with ASA film speeds from 10 to 320; fully automatic flash exposure control; built-in pop-up flash holder; eye-level viewfinder with bright frame, parallax markings; single-stroke film transport. Price, under \$100; case, under \$13.

continued on next page

35-MM RANGEFINDER

continued



MOTORMATIC 35F

35-mm; 44-mm Ektanar $f/2.8$ lens focuses down to 3 ft; click stops for three-setting zone focusing; eye-level finder with bright frame, parallax marking; built-in exposure meter; operates with ASA film speeds from 10 to 800; fully automatic flash exposure control for guide numbers from 20 to 200; four-speed shutter, 1/40, 1/80, 1/125, 1/250 sec at "daylight" setting, automatically changes to 1/40 sec at "flash" setting; built-in pop-up flash holder designed for AG-1 bulbs; power-drive film advance. Price, under \$120; case, under \$13.



RETINA AUTOMATIC III

Fully automatic exposure control with shutter speeds from 1/30 to 1/500 sec, and with film speeds from ASA 10 to 1250; light meter controls lens opening; automatic dim-light release lock and indicator inside finder; provision for manual exposure control; 45-mm Kodak Retina-Xenar $f/2.8$ lens closes down to $f/22$, focuses down to 3.5 ft; coupled range-viewfinder with projected frame and parallax markings; single-stroke film-shutter wind; provision for intentional double exposures; flash synchronization at 1/30 sec for AG-1, M, and F bulbs to 1/500 sec with electronic flash; weight, appr. 20 oz. Price, under \$140. Accessories include field case, Flashholder bracket, 32-mm diameter filters, close-up lens and kit, camera platform, microscope adapter kit.

RETINETTE 1A

Standard-frame 35-mm; 45-mm Roonar $f/2.8$ lens focuses to $3\frac{1}{2}$ ft; zone-focus settings with click stops for close-ups, groups, and scenes; bright-frame viewfinder; depth-of-field scale; Prontor 250S shutter with speeds from 1/30 to

1/250 sec and B, self-timer, MX synchronization single-stroke film advance lever with double-exposure prevention; hinged back, snap lock; accessory shoe; tripod and cable-release sockets. Price, under \$49. Case, Kodak Ektamite and Kodablitz flash holders, filters, lens shade, Series 6 adapter ring, Close Range and View Finder Kit Model C also available.

MFR., Eastman Kodak Co.

KONICA



AUTO S

35-mm; 47-mm Hexanon $f/1.9$ five-element lens; viewfinder automatically correct for parallax and changing field size at all distances; built-in dual-range cadmium sulfide exposure cell for fully automatic exposure control; shutter speeds, 1 to 1/500 sec and B; MX synchronization; self timer; single-stroke film transport, foldaway rewind crank; built-in lens shade. Price, \$99.95; case, \$12.95. Filters, close-up lenses available.



EEmatic

35-mm; 40-mm Hexanon $f/2.8$ three-element lens, openings to 1/22; viewfinder combined with rangefinder, bright frame with parallax markings; fully automatic electric eye for use with ASA film speeds from 10 to 200; shutter speeds from 1/30 to 1/250 sec, X synchronization; flash guide number settings; single-stroke film transport; foldaway rewind crank. Price, \$59.95; case, \$9.95. Lens shade, filters, close-up lenses available.

DiST., Konica Camera Co.

LEICA

M1

Leica bayonet-mount 35-mm camera body; eye-level finder has bright frames for 35- and 50-mm lens fields; automatic parallax correction; focal-plane shutter, 1 to 1/1000 sec speeds, MX and FP synchronization; single-stroke lever advances film and exposure counter and winds shutter; double-exposure prevention; optional factory conversion to M2 model. Price of M1 body,



\$188. Accessories include Leitz Macro and Micro accessories incl. Visoflex I and II, Focoslides, Micro Ibo, etc.



M2S

Combined range-viewfinder with bright line frames for 35-, 50-, 90-mm lenses; proper frame line appears automatically when lens is inserted; frames automatically correct for parallax; same type bayonet lens mount as M-3 model; automatic depth-of-field indicators for 50-mm lens in finder. Focal-plane shutter, speeds from 1 to 1/1000 sec and B; synchronized for M bulbs up to 1/500 sec, for M-2 and electronic flash up to 1/50 sec; shutter-speed wheel couples to optional MR and MC Leica light meters. Flip-open camera back. Price, body only, \$249; with 50-mm Elmar $f/2.8$ lens, \$315; with 50-mm rigid Summicron $f/2$, \$399. Extensive line of interchangeable lenses and accessory devices available.



M-3

Interchangeable lenses; with special bayonet lens mounts that automatically bring into view illuminated-frame lines for 50-, 90-, or 135-mm lenses in turn. Focal plane shutter, speeds 1 to 1/1000 & B—all on single control dial; flash synchronization; separate sockets for electronic flash and flash bulbs. Rangefinder and viewfinder combined in single large window; viewfinder image same size as appears to the eye; field-of-view selector enables photographer to quickly decide which lens to use; automatic parallax compensation; coincidence-type rangefinder coupled to all Leica lenses from 21- to 135-mm; exposure counter zeros automatically; automatic shutter-cocking with film advance; two-stroke advance lever; shutter-speed dial couples to

accessory exposure meter; hinged section of back facilitates film-loading; self-timer. Price, with 50-mm rigid Summicron $f/2$ lens, \$447. DIST., E. Leitz, Inc.

MARK S-2



Lens is 7-element Teminor $f/2$ which focuses to 2 ft; single-window combined range-viewfinder. Synchro Rapid shutter, 1-1/300 sec speeds, self-timer, MFX synchronization; single-stroke advance lever; rewind crank; self-setting film counter. Price, \$44.50; case, \$9.95. Accessories include exposure meter, flashgun. DIST., Sterling-Howard Corp.

MINOLTA



AS
Has 45-mm Rokkor $f/2.8$ lens with openings to $f/22$, minimum focusing distance, 2.7 ft; coupled rangefinder; viewfinder combined with bright-frame rangefinder; between-lens shutter, speeds, 1 to 1/500 sec, LVS settings, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport, automatic stop; double-exposure prevention. Price, \$49.95; case, \$9.95. Accessories available: filters, lens shade, cable release.



AL
Has six-element 45-mm Rokkor $f/2$ lens; rangefinder with bright frame, parallax correction; coupled built-in

exposure meter with speed and aperture dial, match-pointer with window on top deck; Citizen between-lens shutter, 1- to 1/1,000-sec speeds and B, MXV synchronization, self-timer; rapid film advance and rewind crank; extra-large loading spool for fast loading; extra-large pressure plate. Price, \$79.95; case, \$9.95.



HI-MATIC 7
35-mm; 45-mm Rokkor $f/1.8$ lens with openings to $f/22$, minimum focusing distance: 3 ft; scale and rangefinder focusing; eye-level viewfinder combined with rangefinder, bright frame, automatic parallax correction; built-in exposure meter and fully automatic exposure control with ASA film speeds from 25 to 800; also manual and semi-automatic control; between-lens shutter, speeds: 1/4 to 1/500 sec, conventional and EVS settings, combined film/shutter wind, self-timer with 10-sec delay; M synchronization at all speeds for electronic flash; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$110; leather ready case, \$9.95. Accessories available: filters, lens shade, \$4.95, BC flash, \$9.95.

DIST., Minolta Corp.

NIKONOS

ALL WEATHER '35'
Uses 35-mm film; 35-mm Nikkor $f/2.5$ lens; can be used underwater without housing; hermetically sealed, resists salt water corrosion, mildew, fungus; automatic depth-of-field indicator; shutter speeds: to 1/500 sec and B, built-in flash synchronization, automatic-reset exposure counter; non-corrosive metal body. Price, with lens, \$169.50; underwater flashgun, \$89.50; flash adapter for out of water use, \$6.95. DIST., Nikon, Inc.

PRAKTI



Domiton 50-mm $f/4$ lens with openings to $f/22$, symbol focusing; fully

automatic exposure control; eye-level viewfinder with bright frame, automatic parallax correction; between-lens shutter, speeds: 1 to 1/200 sec, symbol settings, X synchronization; electric-power-driven film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$79.95.

DIST., Prakti Camera Co.

REGULA



SPRINT
35-mm, frame size: 24x36-mm; 45-mm Color Isconar $f/2.8$ lens with openings to $f/16$, minimum focusing distance: 3.3 ft; scale focusing; bright frame in viewfinder; between-lens shutter, speeds: 1/60 to 1/250 sec, conventional settings, self-cocking, combined film/shutter wind, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, with case, flash, and case for flash, \$39.95. Accessories available: filters, electronic flash.

SPRINTOMATIC

Same as Sprint, except built-in exposure meter for use with ASA film speeds 10 to 400, exposure control by aligning two indicators inside finder window. Price, \$49.95.

SPRINTY

Same as Sprint, except 45-mm Color Golar $f/2.8$ lens. Price, \$29.95.

DIST., King Regula, Inc.

RICOH



AUTO SHOT

35-mm; sequence type; 35-mm Rikenon $f/2.8$ lens with openings to $f/22$, minimum focusing distance: 3.3 ft; scale focusing, also zone focus; eye-level viewfinder; built-in exposure meter with fully automatic exposure control for ASA film speeds from 12 to 200; exposure control

35-MM RANGEFINDER

continued

by aligning two indicators inside finder window; between-lens shutter, speeds: 1/30 to 1/125 sec and B, EVS settings, self-cocking, combined film/shutter wind, X synchronization; single-stroke film transport, automatic film advance; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$89.90, including lens cap and case.



AUTO 35

35-mm; 40-mm Ricoh lens; fixed focus; eye-level viewfinder with bright frame; built-in exposure meter with fully automatic exposure control for ASA film speeds from 10 to 200; between-lens shutter, speeds to 1/70 sec and B, LVS settings, 10-15, self-cocking, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$39.95; case, \$8.95.



AUTO 35L

35-mm; 50-mm Ricoh S/Kominar f/2 lens with openings to f/16, minimum focusing distance: 3.3 ft; scale focusing; coupled rangefinder with bright frame, automatic parallax correction; built-in exposure meter, operates with ASA film speeds from 10 to 800; exposure control by aligning two indicators on top of camera housing and inside finder window; between-lens shutter, speeds: to 1/500 sec and B, EVS settings, self-timer, MXV synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$89.95; case, \$14.95; 68-mm f/2 lens, \$49.50; 38-mm f/2 lens, \$29.95; viewfinder for wide-angle lens, \$9.95.



35S

35-mm; 40-mm Ricoh f/2.8 lens with openings to f/22, minimum focusing distance: 3.3 ft; scale focusing; coupled rangefinder; with bright frame, automatic parallax correction; built-in exposure meter operates with ASA film speeds from 25 to 400, exposure control by aligning two indicators inside finder window; between-lens shutter, speeds: 1/4 to 1/300 sec, EVS settings, self-cocking, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$68.90, includes leather case.

RICOHMATIC 35

35-mm; 40-mm Ricoh f/2.8 lens, openings to f/22, minimum focusing distance: 3.3 ft; coupled rangefinder with bright frame; built-in exposure meter with fully automatic exposure control for ASA film speeds from 10 to 160; exposure control by aligning two indicators inside finder window; between-lens shutter, speeds: 1/30 to 1/125 sec, LVS settings, self-cocking, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention. Price, \$55.95; case, \$10.50.

DIST., Ricoh Industries, U.S.A., Inc.

ROBOT

RECORDER

Stripped model of Robot Royal; for 6x24-mm and 18x24-mm single-frame and 24x24-mm and 24x36-mm double-frame sizes; without coupled rangefinder-viewfinder, rewind knob, and Kinographic sequence release; intended for photographic registration. Robot Rotor shutter with speeds from 1/4 to 1/500 second and B, built-in MX synchronization for all speeds; depth-of-field scales; accepts all Robot Royal accessories. Price, Robot Recorder 18, \$259 (excluding F.E.T.); Robot Recorder 24, \$229; Robot Recorder 36, \$229. Accessories: interchangeable lenses from 30- to 400-mm, 30- and 200-ft backs, electric booster motor, Kuli camera holder, electromagnet releases, electric timers, microscope attachment.

ROYAL 24S AND 36S

Cartridge 35-mm; up to 55 exposures, 24x24-mm, or 36 exposures, double-frame, 24x36-mm; automatic rapid-wind sequence permits taking up to 18 exposures without rewinding (55 or 36 exposures with op-



lional spring booster motor); Robot all-metal Rotor shutter with speeds from 1/4 to 1/500 sec and B, internal MX synchronization for any speeds; depth-of-field scales; interchangeable lenses couple to single window rangefinder/viewfinder; minimum focusing distance without use of close-up rings, 2 1/2 ft; breech-lock bayonet lens mount; film reminder; accessory shoe; hinged back; shutter release automatically exposes, advances film, counts exposures and cocks shutter for next picture; Kinographic sequence release permits burst of up to 6 shots per sec; daylight take-up cassette permits removal of partially exposed film; bulk-loading cassette eliminates possibility of friction and scratches. Price of 24S, with 40-mm Schneider Xenon f/1.9 lens, \$399 (excluding F.E.T.); with 38-mm Schneider Xenar f/2.8, \$359; 36S with 50-mm Schneider Xenon f/1.9, \$429; with 45-mm Schneider Xenar f/2.8 lens, \$359; case, \$19.95. Accessories: interchangeable lenses from 30- to 400-mm, viewfinders, filters, lens shades, close-up rings and lenses, and electro-magnetic releases.

ROYAL 18

Industrial model similar to the above camera, but with interchangeable back, no lens lock, contact for electric booster motor, coupling to counter of 30-ft. magazine. Price, Robot Royal 18 S with 38-mm Xenar f/2.8 lens, \$399; with 40-mm Xenon f/1.9 lens, \$439 (excluding F.E.T.).

3200 SHOT

Robot Royal Sa or Recorder 18, 24, or 36 with 30-ft (260, 400, or 520 pictures) or 200-ft (1,600, 2,400, or 3,200 pictures) magazines, optional electric booster motor transports entire length of film without interruption. Price, 30-ft magazine, \$279; 200-ft magazine, \$349.



STAR II/18

Built-in spring motor powers automatic film transport and shutter wind for 18 exposures (50 exposures with double-motor model); 40-mm Schneider Xenon f/1.9 lens in Robot Rotor shutter, speeds 1/4 to 1/500 sec and B, built-in XM synchroniza-

tion; depth-of-field scale; optical-type eye-level viewfinder. Price, \$259; with 38-mm Schneider Xenar f/2.8 lens, \$239; case, \$14.95. With double motor, \$279 and \$259 respectively, excluding F.E.T. Accessories: telephoto and wide-angle lenses, remote-control electronic release, close-up lenses, camera holder, microscope attachment.

RECORDER 24e and 36e

Same as Robot Recorder 24 and 36, but with second 8x8-mm reflected image in corner of 24x24 frame. Separate lens and optical system reflect dial face of an instrument, etc., into the picture. Accessory: special Kuli-e camera holder with reflex mirror. Price, \$349 (excluding F.E.T.); Kuli-e, \$129.

DIST., Karl Heitz, Inc.

ROCCA



SLK
Isco Goettingen f/2.8 lens closes down to f/22, minimum focusing distance, 3 ft; scale focusing coupled to rangefinder; built-in exposure meter with fully automatic exposure control, by aligning two indicators inside finder window; between-lens shutter, 1- to 1/300-sec speeds, self-cocking, combined film/shutter wind, XV synchronization; single-stroke lever-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter; automatic parallax correction. Price, including f/2.8 lens in Prontor SLK shutter, \$99.50; ready case, \$9.95. Without exposure meter and in Prontor LK shutter, \$59.50.

DIST., Camera Specialty Co., Inc.

TARON

AUTO EE

35-mm; 24x36-mm frame size; 45-mm Taronar f/1.8 lens; coupled rangefinder focusing; eye-level viewfinder combined with rangefinder; built-in CdS exposure meter with fully automatic exposure control for ASA film speeds 10 to 200; exposure control by aligning two indicators inside finder window; shutter speeds, 1 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport, automatic stop, double-exposure prevention, automatic exposure counter. Price, \$79.95; auxiliary lens set, \$39.95; lens shade, \$4.50.



AUTO JE

35-mm; 40-mm Taronar f/3.5 lens with openings to f/32; coupled rangefinder, also zone focusing for close-ups, groups, scenes; eye-level viewfinder combined with rangefinder with bright frame; built-in exposure meter with fully automatic exposure control; X synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter.



MODEL JL

35-mm; frame size, 24x36-mm; 45-mm Taronar f/2.8 lens with openings to f/22; coupled rangefinder focusing; viewfinder with bright frame combined with rangefinder; built-in exposure meter for use with ASA film speeds 12 to 800, exposure control by aligning two indicators on top of camera housing; shutter speeds, 1/25 to 1/250 sec, X synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$39.95; ready case, \$9.95; auxiliary lens set, \$29.95; filter, \$3.95; lens shade, \$3.50.

MARQUIS

35-mm; 45-mm Taronar f/1.8 lens with openings to f/22; coupled rangefinder focusing; bright-frame viewfinder combined with rangefinder, with automatic parallax correction; built-in CdS exposure meter for fully automatic exposure control with ASA film speeds 10 to 800, exposure control by aligning two indicators inside finder window; shutter speeds, 1 to 1/500 sec, self-cocking, combined film/shutter wind, self-timer, MVX synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$79.95; ready case, \$12.50; auxiliary lens set, \$39.95; lens shade, \$3.95.

VIC

35-mm; 45-mm Taronar f/2.8 lens with openings to f/22; coupled rangefinder combined with view-

finder with bright frame and automatic parallax correction; built-in exposure meter with fully automatic exposure control for ASA film speeds 10 to 800, exposure control by aligning two indicators inside finder window; shutter speeds: 1/30 to 1/250 sec, LV settings: 8 to 70, self-cocking, self-timer, MX synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$59.95; ready case, \$9.95; auxiliary lens set, \$29.95; filter, \$3.95; lens shade, \$3.50.

DIST., Petri Kine Camera Co.

TOWER

MODEL 10B

35-mm; 40-mm Mamiya f/2.8 lens; combined range/viewfinder with illuminated bright-line frame; built-in meter; seven shutter speeds to 1/250 sec plus bulb, flash synchronization; single-stroke film advance; rapid rewind crank. Price, \$49.22; case, \$7.25.

MODEL 18B

Combined range-viewfinder with illuminated bright-line frame, automatic parallax correction; 48-mm Mamiya f/2 lens; 1-1/500 sec speeds, B, flash synchronization. Built-in cross-coupled meter. Single-stroke advance lever; rapid rewind crank; self-timer. Price, \$58.95; case, \$7.75.

MODEL 20B

48-mm Mamiya f/1.7 lens; combined rangefinder-viewfinder with automatic parallax correction; built-in cross-coupled exposure meter with match-needle system visible in viewfinder; 1-1/500-sec shutter speeds, B setting, flash synchronization; self-timer; single-stroke film advance lever; rapid rewind crank. Price, \$83.95; case, \$8.50.

MODEL 39

Automatic, with built-in flash for AG-1 bulbs; f/3.8 lens; zone focusing; four shutter speeds up to 1/250 sec; special backlight control; illuminated bright-line frame; needle indicates when light is inadequate for proper exposure; reads in ASA speeds up to 200; metal body. Price, \$44.47; case, \$5.30.

MODEL 41

Similar to Tower 39 but with f/2.8 lens and rangefinder; also has accessory clip and outlet for electronic flash; manual automation override; metal body, leatherette trim. Price, \$59.22, case, \$5.95.

DIST., Sears, Roebuck and Co.

VOIGTLANDER

VITO AUTOMATIC I

Takes 35-mm film for standard frame; Voigtlander Lanthar 50-mm f/2.8 lens with openings to f/22, minimum focusing distance: 3 1/2 ft;

35-MM RANGEFINDER

continued



scale and zone focusing; eye-level 1:1 viewfinder with bright frame, parallax markers; built-in exposure meter, fully automatic exposure control with ASA film speeds from 25 to 400, insufficient-light signal in viewfinder; between-lens shutter, speeds: 1/30 to 1/125 sec, conventional settings, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$64.95; ready case, \$4.95. Available accessories: close-up lenses, rangefinder, AG-1 flash, filters.



VITO AUTOMATIC R

35-mm; 50-mm Lanthar f/2.8 lens with openings to f/22, minimum focusing distance: 3 1/2 ft; scale, zone, and coupled rangefinder focusing; eye-level viewfinder combined with rangefinder including bright frame with parallax markers; built-in exposure meter with fully automatic exposure control for ASA film speeds 25 to 400; between-lens shutter, speeds: 1/30 to 1/500 sec, conventional settings, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$89.95; ready case, \$14.95.



VITO C

35-mm; 50-mm Voigtlander Lanthar f/2.8 lens with openings to f/22,

minimum focusing distance, 3.5 ft; scale focusing; eye-level viewfinder, bright frame; parallax markers on bright frame for extreme close-ups; between-lens shutter speeds 1/30 to 1/250 sec, conventional settings, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport, automatic stop; double-exposure prevention; automatic exposure counter. Price, \$41.95; case, \$12.50. Accessories available: filters, close-up lenses, lens shade.



VITO CL

35-mm; 50-mm Voigtlander Lanthar f/2.8 lens with openings to f/22, minimum focusing distance, 3.5 ft; scale focusing; eye-level viewfinder, bright frame, parallax markers on bright frame for extreme close-ups; built-in exposure meter, exposure control by aligning two indicators on top of camera housing; between-lens shutter speeds, 1/15 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, automatic stop; double-exposure prevention; automatic exposure counter. Price, \$72.95; case, \$12.50. Accessories available: filters, close-up lenses, lens shade.



VITO CLR DELUXE

35-mm; 50-mm Voigtlander Lanthar f/2.8 lens with openings to f/22, minimum focusing distance, 3.5 ft; coupled rangefinder; eye-level viewfinder combined with rangefinders, bright frame; parallax markers on bright frame for extreme close-ups; built-in exposure meter, exposure control by aligning two indicators on top of camera housing; between-lens shutter, speeds, 1/15 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, automatic stop; double-exposure prevention; automatic exposure counter. Price, \$97.50; case, \$12.50. Accessories available: filters, close-up lenses, lens shade.



VITOMATIC 11A

Double-frame film size; 50-mm Color-Skopar f/2.8 or 50-mm Ultron f/2 lens, openings to f/22, minimum focusing distance, 3 1/2 ft; scale focusing, coupled rangefinder; eye-level viewfinder combined with rangefinder, bright frame for 50-mm focal length; parallax indicator; built-in exposure meter; exposure control by aligning two indicators on top of camera housing or inside finder window; between-lens shutter, 1 to 1/500 sec speeds, conventional settings; combined film/shutter wind; self-timer; MXV synchronization; lever-wind single-stroke film transport, automatic stop; double-exposure prevention; automatic exposure counter. Price, with f/2.8 lens, \$114.95; with f/2 lens, \$144.50; case, \$12.50. Accessories available include filters, close-up lenses, lens shade.

VITOMATIC 1A

Similar to above but without rangefinder. Price, \$93.95; case, \$12.50. Same accessories available.



VITORET

35-mm; 50-mm Vaskar f/2.8 lens with openings to f/22, minimum focusing distance, 3 1/2 ft; scale and zone focusing; eye-level viewfinder with bright frame and parallax markers; between-lens shutter, speeds: 1/30 to 1/125 sec, conventional settings, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$29.95; ready case, \$4.95. Filters, close-up lenses, rangefinder available.

VITORET F

35-mm; 50-mm Voigtlander f/2.8 lens with openings to f/22, minimum focusing distance: 3.5 ft; scale, zone focusing; eye-level viewfinder with bright frame, parallax correction marks, life-size 1:1 ratio; between-lens shutter, speeds: 1/30 to 1/125 sec, conventional settings,



combined film/shutter wind, X synchronization; built-in pop-up AG-1 flash; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$39.95; ready case, \$4.95. Accessories available: filters, close-up lenses, rangefinder, lens shade.

VITORET R

35-mm; 50-mm Lanthar f/2.8 lens with openings to 1/22, minimum focusing distance: 3 1/2 ft; scale and coupled rangefinder focusing; eye-level viewfinder combined with rangefinder with bright frame and parallax indicators; behind-lens shutter, speeds: 1/30 to 1/125 sec, conventional settings, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$39.95; ready case, \$4.95. Filters, AG-1 flashgun, close-up lenses available.



VITRONA

35-mm; 50-mm Voigtlander Lanthar f/2.8 lens with openings to 1/22, minimum focusing distance: 3 1/2 ft; scale, zone focusing; eye-level viewfinder with bright frame and parallax correction markers, life-size 1:1 ratio; between-lens shutter, speeds: 1/30 to 1/125 sec, conventional settings, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter; built-in electronic flash unit, powered by two C batteries in handle; camera automatically adjusts aperture for flash; has red signal in viewfinder to indicate if subject is too far away for sufficient flash coverage; flash ready light visible in viewfinder. Price, about \$120.

DIST., H. A. Bohm & Co.

WERRA

MODEL I

50-mm Tessar f/2.8 lens with openings to f/22, minimum focusing dis-

tance, 3 ft; scale focusing; bright frame in viewfinder, automatic parallax correction; behind-lens shutter, speeds: 1 to 1/200 sec, conventional and LVS settings, self-cocking, combined film/shutter wind, self-timer, MXV synchronization; automatic film stop; double-exposure prevention; automatic exposure counter. Price, \$33.50; ready case, \$9.95.

WERRAMAT

50-mm Tessar f/2.8 lens with openings to f/22, minimum focusing distance: 3 ft; coupled rangefinder-viewfinder with bright frame, automatic parallax correction; built-in exposure meter calibrated in ASA film speeds from 10 to 1600, exposure control by aligning two indicators on top of camera housing and inside finder window; behind-lens shutter, 12 speeds: 1 to 1/750 sec, LVS settings, self-cocking, combined film/shutter wind, self-timer, MXV synchronization; automatic film stop, double-exposure prevention, automatic exposure counter. Price, \$59.95; ready case, \$12.50.

WERRAMATIC



Interchangeable 50-mm Tessar f/2.8 lens with openings to 1/22, minimum focusing distance: 3 ft; coupled rangefinder-viewfinder with bright frame for 35-, 50-, 100-mm focal lengths, automatic parallax correction; lens diaphragm and shutter speeds visible in viewfinder; built-in exposure meter calibrated in ASA film speeds from 10 to 1600, exposure control by aligning two indicators on top of camera housing and inside finder window; behind-lens shutter, 17 speeds: 1 to 1/750 sec, LVS settings, self-cocking, combined film/shutter wind, self-timer, MXV synchronization; automatic film stop, double-exposure prevention, automatic exposure counter. Price, \$79.95; case, \$12.50.

DIST., Camera Specialty Co.

YASHICA

MODEL EE

Standard-frame 35-mm; Yashinon 45-mm f/1.9 lens with openings to 1/16, minimum focusing distance: 2.6 ft; coupled rangefinder-viewfinder with bright frame; parallax correction mark; "circle-eye" electric eye, fully automatic exposure control with ASA film speeds from 10 to 800 exposure signal in viewfinder; between-lens shutter, speeds: 1 to 1/500 sec, conventional settings, self-cocking, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film trans-

port, automatic stop, double-exposure prevention; Price, under \$100; ready case, \$10.



FLASH-O-SET II

Standard-frame 35-mm Yashinon 40-mm f/4 lens with openings to 1/22; fixed focusing; eye-level viewfinder; fully automatic exposure control with ASA film speeds from 10 to 200, exposure signal in viewfinder; behind-lens shutter, speed: 1/60 sec, self-cocking, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter; built-in B-C flash in body frame, bulb ejector, flash guide in back. Price, under \$55; ready case, \$10.



LYNX-5000

Standard-frame 35-mm; Yashinon 45-mm f/1.8 lens with openings to 1/22; minimum focusing distance: 2.6 ft; coupled rangefinder-viewfinder with bright frame and automatic parallax correction; built-in CdS exposure meter calibrated in ASA film speeds 10 to 800, exposure control by aligning two indicators on top of camera housing and inside finder window; "off" switch for meter on camera body; between-lens shutter, speeds: 1 to 1/1,000 sec, interlocked conventional settings, self-cocking, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention. Price, under \$95; ready case, \$10.



MINIMATIC C

35-mm; 24x36-mm frame size; 45-mm Yashinon lens with openings to 1/22, minimum focusing distance, 2.6 ft; coupled rangefinder; eye-level viewfinder with bright frame, automatic parallax correction; built-in exposure meter for fully auto-

35-MM RANGEFINDER

continued

matic exposure control with ASA film speeds from 10 to 400; between-lens shutter, speeds from 1/30 to 1/500 sec and B, combined film/shutter wind, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, under \$70; ready case, \$10.



MINISTER D
35-mm; 24x36-mm frame size; 45-mm Yashinon f/2.8 lens with openings to f/16, minimum focusing distance: 2.6 ft; coupled rangefinder; eye-level viewfinder combined with rangefinder, bright frame, automatic parallax correction; built-in exposure meter, operates with ASA film speeds from 10 to 400; uncoupled meter reads highlight and shadow areas separately, gives average exposure for subject; between-lens shutter, speeds: 1 to 1/500 sec, LVS settings, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, under \$70; ready case, \$10.

MINISTER II
35-mm; 24x36-mm frame size, 45-mm Yashinon f/2.8 lens with openings to f/16, minimum focusing distance, 2.6 ft; coupled rangefinder focusing; eye-level viewfinder combined with rangefinder, bright frame, automatic parallax correction; built-in exposure meter for use with ASA film speeds from 10 to 400; between-lens shutter, speeds from 1 to 1/500 sec, LVS settings; combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, under \$61; ready case, \$10.

YJ
Yashinon 45-mm f/2.8 lens closes down to f/16, minimum focusing distance, 3 1/2 ft; eye-level viewfinder, bright frame; between-lens shutter, 1/25- to 300-sec speeds, conventional settings, combined film/shutter wind, X synchronization; single-stroke lever-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter. Comes only in kit form which includes ready case and AG-1 flash unit (BC type) in carrying case, price under \$60.

DIST., Yashica, Inc.

SUB-35

ARGUS



260 AUTOMATIC
Takes Kodapak cartridge, yielding 12 exposures, 28x28-mm; zone-focusing symbols; fully automatic exposure control with ASA film speeds 64 and 120 automatically set by cartridge; low-light signal in viewfinder; 1/125-sec shutter speed, 1/30 sec when built-in AG-1 flash is raised; setting distance automatically sets f-stop for flash; single-stroke film advance. Price, with case, flash reflector shield, and slide viewer, under \$70.

MFR., Argus, Incorporated

KODAK INSTAMATIC



MODEL 100
Takes 126 film size, for 28x28-mm frame; instant loading and unloading; f/11 lens, minimum focusing distance: 4 ft; fixed focusing; eye-level viewfinder; between-lens shutter, speeds: 1/40 and 1/90 sec; flash holder for AG-1 bulbs built in, is out of way when not in use, automatic shift to flash speed when pulled up; lever-wind double-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter; automatic film load identification. Price, with wrist strap, roll Verichrome Pan 126 film in Kodapak cartridge, four bulbs, two AAA-size batteries, flash guard, less than \$18; field-type case, less than \$4.55. Accessories case, less than \$5. Accessories available: filters, close-up attachments.

INSTAMATIC 150 OUTFIT
Takes Kodapak cartridge containing 126-size film, giving 12 exposures; 43-mm f/11 lens, fixed focus for subjects more than 4 ft away; eye-level viewfinder; shutter preset for 1/90 sec with flash holder in, automatically changes to 1/40 sec when

flash holder is raised; motorized knob film advance; kit contains camera with wrist strap, flash guard, four AG-1 flashbulbs, cartridge of Verichrome Pan film and instruction book, in fitted carrying case; total weight, 1 1/2 lb. Price, under \$30.



MODEL 300
Has Kodak f/8 lens; minimum focusing distance: 5 ft; fully automatic exposure control with ASA film speeds 64 and 160 automatically set by cartridge; insufficient-light signal in finder; shutter speeds: 1/40 and 1/60 sec. Price, including same accessories as 100, less than \$50; field-type case, less than \$5.

MODEL 400
Similar to Model 300, but with built-in spring-motor drive film transport, permitting ten pictures in ten sec. Price, with same accessories as Model 100, less than \$60; field-type case, less than \$5.



MODEL 500
Uses Kodapak cartridges, giving 28x28-mm frame sizes; 38-mm Schneider Xenar f/2.8 lens, minimum focusing distance: 2 1/2 ft; scale and coupled rangefinder focusing, also zone-focusing symbols; eye-level viewfinder with bright frame, parallax markings; built-in exposure meter; automatic exposure control after preselecting shutter speed from 1/30 to 1/500 by aligning indicators inside viewfinder window, or by preselecting f-stop and changing shutter speed to center needle; combined film/shutter winds; shoe flash contact, cord-type socket; single-stroke film transport, automatic stop, double-exposure prevention, automatic exposure counter; plus or minus one-stop exposure positions. Price, under \$95; field-type case, under \$15.

MODEL 700
38-mm Ektanar f/2.8 lens with openings to f/64, minimum focusing distance: 3 ft; built-in series 5 adapter ring; scale focusing for "close," "group," "scene," plus zone focusing with symbols in finder; bright frame in eye-level viewfinder; par-

allax marks, low-light signal; fully automatic exposure control for day-light pictures with ASA film speeds 25 to 800 automatically set by Kodapak cartridge, plus automatic shutter change when light is insufficient for pictures at $f/2.8$; shutter speeds: $1/30$ to $1/250$ sec; single-stroke film transport; automatic flash-exposure control when flash reflector is raised. Price, less than \$110; field-type case, less than \$10. Series 5 lens attachments available.

MODEL 800

Similar to Model 500, but with 38-mm Kodak Ektar $f/2.8$ lens, minimum focusing distance: 3 ft; low-light signal in viewfinder; shutter speeds: $1/30$ to $1/250$ sec; automatic shutter settings with AG-1 bulbs; built-in flash; motor-wind film transport. Price under \$130; field-type case, under \$10.

MFR., Eastman Kodak Co.

TESSINA



Uses 35-mm film, 14x21-mm frame size; 25-mm $f/2.8$ lens, minimum focusing distance, 9 in.; shutter speeds: $1/2$ to $1/500$ sec; MFX synchronization; built-in motor permits 6-8 pictures without rewinding; chrome finish. Price, \$169. Black, red, or gold finish, \$10 extra. Accessories include interchangeable 6X prismfinder, 8X magnifier, field lens, flashgun, leather cases, sportsfinder, wrist strap, tripod plate with neck, chain, etc.

DIST., Karl Heitz, Inc.

HALF-FRAME 35

AGFA



PARAT I

Takes 35-mm film for half-size frames, 18x24-mm; 30-mm Color Apotar $f/2.8$ lens; scale focusing; shutter and lens stops visible in windows; shutter speeds: $1/30$ to $1/125$ sec; rapid rewind crank. Price, \$32.50; leather pouch, \$4.50. Also available in outfit.



PARAMAT

Similar to Parat I but with automatic exposure control which can be disengaged; seven light values; film-speed settings from 10 to 250 ASA, 11 to 25 DIN; bright lines in viewfinder. Price, \$59.95; leather pouch, \$4.50. Also available in outfit.

DIST., Agfa Inc.

ANSCO



MEMO II

Takes 35-mm film, for 18x24-mm frame size; $f/2.8$ lens; three focusing settings; automatic exposure control; motor-driven film transport. Price, \$69.95, including leather case.

MFR., Ansco Products

BELL & HOWELL/ CANON



DEMI

35-mm; 28-mm Canon $f/2.8$ lens with openings to $f/22$; zone focusing; eye-level viewfinder; operates with ASA film speeds from 10 to 400, exposure control by aligning two indicators on top of camera housing; leaf-type shutter, speeds: $1/30$ to $1/250$ sec and B, conventional settings, X synchronization; lever-wind single-stroke film transport with double-exposure prevention. Price, under \$55; soft-leather case, under \$5; available in kit with case and flash unit coupler, under \$60.

DIAL 35

35-mm; 28-mm Canon $f/2.8$ lens with openings to $f/22$; zone focusing; eye-level viewfinder; fully automatic exposure control with ASA film speeds from 10 to 400; leaf-type shutter, speeds: $1/30$ to $1/250$ sec, conventional settings, self-cocking, X synchronization;



spring-motor-wind automatic film transport; double-exposure prevention. Price, under \$80; in kit with soft leather zipper case and Quint automatic five-bulb flashgun, under \$100.

DIST., Bell & Howell Co.

FUJICA

'HALF'

Uses 35-mm film, giving half-size frames; Fujinon $f/2.8$ lens, openings to $f/16$; fully automatic; electric eye programming shutter that sets lens and shutter speed; needle indicator shows shutter speed, lens opening; also manual exposure control; shutter speeds: $1/30$ to $1/300$ sec; self-timer, close-up-light lock; stop light-warning signal; automatic-reset exposure counter. Price, \$59.95; pouch case, \$3.50.

DIST., Fuji Photo Optical Products

**New Fujica Drive
gives you pictures
like this with your
very first roll!**



New computer electric eye half frame camera sets right speed and right lens opening for you automatically!... plus double the number of perfect shots from any standard roll of 35mm film. Extra sharp lens. Satisfaction guaranteed or money back.



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111 Fifth Ave., Dept. A-11, N. Y. 3, N. Y.

HALF-FRAME 35

continued

MINOLTA



REPORTER

Takes 35-mm film for 18x24-mm frame size; 30-mm Rokkor f/2.8 lens with openings to f/16, minimum focusing distance: 22 in.; scale focusing; click stops at 4, 10, 16 ft; eye-level viewfinder with bright frame; built-in exposure meter operates with ASA film speeds from 10 to 400; exposure control by aligning two indicators on top of camera housing; between-lens shutter, speeds: 1/30 to 1/250 sec, EVS settings, combined film/shutter wind, 1/30 synchronization for electronic flash and bulb; knob-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$60, including soft leather zipper case; BC flash, \$9.95.

MFR., Minolta Corp.

OLYMPUS



PEN

18x24-mm frame size; 28-mm D-Zuiko f/3.5 lens, minimum focusing distance, 2 ft; scale focusing; eye-level viewfinder with bright frame; between-lens shutter, 1/25 to 1/200 sec speeds, conventional settings; self-cocking, combined film/shutter wind, M synchronization; rapid knurled-thumb-wind film transport; double-exposure prevention; automatic exposure counter. Price, \$37.50, including leather pouch with wrist strap.

PEN D

Half-frame 35-mm; 32-mm f/1.9 lens; helical focusing to within 2 ft; click stops at 6 ft, 8 in. and 15 ft; built-in exposure meter; shutter speeds: 1/8 to 1/500 sec and bulb. Price, with case and accessory bracket, \$75.45.



PEN-EE

Has 28-mm f/3.5 lens, 3/4x1-in. frame size; synchronized shutter; programmed shutter speeds, 1/40 and 1/200 sec; full exposure automation with ASA film speeds from 10 to 200; optical finder; rapid film-wind cocks shutter, sets counter, prevents double exposure; rapid re-wind crank. Price, \$55.45, including case and accessory bracket.



PEN EES

Half-frame 35-mm; 30-mm f/2.8 lens; helical focusing to within 2 ft; click stops at 6 ft, 8 in. and 15 ft; built-in around-the-lens exposure meter provides fully automatic exposure with film speeds from 10 to 200; exposure control may be manual; programmed shutter speeds: 1/40 and 1/200 sec. Price, with case and accessory bracket, \$65.45.



PEN F

35-mm single-lens reflex; 38-mm F. Zuiko Auto-S f/1.8 lens, minimum focusing distance, 11 in.; automatic diaphragm; bayonet lens mount; pentaprism reflex and Porra prism finder focusing with spot and Fresnel lens; eye-level viewfinder with automatic parallax correction; instant-return mirror with horizontal travel; metal rotary focal-plane shutter, speeds: 1 to 1/500 sec and B, conventional settings, combined film/shutter wind, X synchronization, up to 1/500 sec with electronic flash; lever-wind double-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$139.95; pouch case, \$9.95. Access-

ories: CdS meter that couples to shutter-speed dial, \$24.95; normal, wide-angle, telephoto, and zoom lenses.



PEN S

Half-frame 35-mm; 30-mm f/2.8 lens; helical focusing to within 2 ft; click stops at 6 ft, 8 in. and 15 ft; shutter speeds: 1/8 to 1/250 sec and bulb. Price, with case, \$47.50.

DIST., Scopus, Inc.

YASHICA



MIMY

Takes 35-mm film for half-size frames, 18x24-mm; 28-mm Yashinon f/2.8 lens, with openings to f/22, minimum focusing distance: 6 ft; fixed focusing; eye-level viewfinder with bright frame; built-in exposure meter with fully automatic exposure control for ASA film speeds 10 to 200; warning indicator frame line, external indicator also; shutter speed: 1/60 sec, combined film/shutter wind, X synchronization; knob-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, under \$45; soft leather case, \$5.



MODEL 72E

Similar to Mimy but with scale focusing, minimum focusing distance: 2.6 ft; exposure meter operates with ASA film speeds from 10 to 400; between-lens shutter, speeds: 1/8 to 1/250 sec, EVS settings, no automatic exposure counter. Price, under \$45; soft leather case, \$5.

DIST., Yashica, Inc.

35-MM SINGLE-LENS REFLEX

AGFA



AGFAFLEX IV

Has interchangeable lens system and pentaprism finder for right-side-up, unreversed viewing and focusing at eye-level; built-in rangefinder prism; 50-mm Agfa Color Solinar $f/2.8$ lens; built-in light meter; f -stop determined by centering needle on top of camera; built-in delayed action release. Price, \$159; case, \$16. Accessories include 35-, 55-, 90-, 135-, 180-mm lenses, close-up lens filters, lens shades.

AGFAFLEX V

Same as Agfaflex IV but with interchangeable 55-mm Color-Solinar $f/2$ lens, closes down to $f/22$. Price, \$198; case, \$16. Accepts same accessories as Agfaflex IV.



SELECTA-FLEX I

35-mm single-lens reflex, 50-mm Color Solinar $f/2.8$ lens with openings to $f/22$, minimum focusing distance: $3\frac{1}{2}$ ft, interchangeable, automatic diaphragm; pentaprism reflex focusing; eye-level viewfinder; fully automatic exposure control with ASA film speeds 10 to 1600; behind-lens shutter, speeds: 1 to $1/300$ sec, conventional settings, combined film/shutter wind, self-timer; MXV synchronization; lever-wind single-stroke film transport; double-exposure prevention; automatic exposure counter. Price, \$219; leather case \$16. Accessories: 35-, 55-, 90-, 135-, 180-mm lenses, filters, lens shade, close-up lenses.

SELECTA-FLEX II

35-mm single-lens reflex; 55-mm Color Solinar $f/2$ lens with openings to $f/22$, minimum focusing distance: $3\frac{1}{2}$ ft, interchangeable, automatic diaphragm; pentaprism reflex focus-

ing; eye-level viewfinder; fully automatic exposure control with ASA film speeds 10 to 1600; behind-lens shutter, speeds, 1 to $1/300$ sec, conventional settings, combined film/shutter wind, self-timer, MXV synchronization; lever-wind single-stroke film transport with double-exposure prevention, automatic exposure counter. Price, \$259; leather case, \$16. Accessories: 35-, 90-, 135-, 180-mm lenses, close-up lenses, filters, lens shades, DIST., Agfa Inc.

ALPA

4b

Groundglass focusing and viewing, plus built-in optical finder for 50-mm lenses; accepts interchangeable lenses. Focal-plane shutter with 1-1/1000 sec speeds, B plus 60 positive intermediate speed settings; M synchronization; X synchronization up to $1/64$ sec; single stroke rapid wind lever; reflex mirror automatically returns to viewing position immediately after exposure. Price, with automatic 50-mm Alpa Macro-Switar $f/1.8$ lens Apochromat, \$379; with automatic 50-mm Alpa-Switar Auto-Apochromat $f/1.8$ lens, \$329; with 40-mm Makro-Kilar Model E $f/2.8$ lens, \$298.50; half-frame (18x24-mm) model, \$279 (body only). Wide range of interchangeable preset and automatic wide-angle and telephoto lenses and camera accessories available.

5b

Similar to Alpa 4b, but with built-in prism which reinverts image and provides 45-degree viewing angle. Price, with 50-mm Alpa Auto-Apochromat Macro-Switar $f/1.8$ lens, \$419; with preset 40-mm Makro-Kilar Model E $f/2.8$ lens, \$338.50.

6b

Similar to Alpa 5b, but with 45-degree split-image rangefinder built into groundglass; clear-spot suitable for photomicrography; self-timer. Price, with Auto-Apochromat 50-mm Macro-Switar $f/1.8$ lens, \$449; with Auto-Apochromat 50-mm Switar $f/1.8$ lens, \$399; with preset 40-mm Makro-Kilar Model E $f/2.8$ lens, \$368.50.



6c

35-mm; frame size, 24x36; takes 50-mm Switar Auto-Apochromat $f/1.8$ or Macro-Switar 50-mm $f/1.8$

lens, with openings to $f/22$, minimum focusing distance, 7 in.; automatic diaphragm; Alpa bayonet-type lens mount; eye-level reflex viewfinder combined with rangefinder prism, automatic parallax correction; instant-return mirror; built-in exposure meter; focal-plane shutter with 1 to $1/1,000$ sec speeds, conventional settings, additive system, combined film/shutter wind, self-timer, MX and FP synchronization; lever-wind single-stroke film transport, automatic stop; double-exposure prevention; automatic exposure counter. Price, \$449 with 50-mm $f/1.8$ Switar lens; \$499 with 50-mm Macro-Switar $f/1.8$ Apochromat lens; add \$10 for black body or black body with green leather; case, \$19.95; half-frame (18x24-mm) model less lens, \$399. Accessories available: automatic lenses, 24-mm $f/3.5$, \$199; 28-mm $f/3.5$, \$179; 35-mm $f/2.8$, \$159; 90-mm $f/2.5$, \$169; 100-mm $f/2$ Apochromat, \$359; 135-mm $f/3.5$, \$179; 150-mm $f/2.8$ Apochromat, \$399; 180-mm, $f/4.5$, \$199. Preset lenses: Macro-Kilar 40-mm $f/2.8$ and 90-mm $f/2.8$ focusing down to 1:1, 210-mm $f/2.8$, \$449; 300-mm $f/4$, \$449; 360-mm $f/5.5$, \$249; 500-mm $f/5.6$, \$549. Also, 9.8-mm Kinoptik wide-angle lens, 18-mm Kinoptik $f/1.8$ wide-angle lens, electric motor, 100-ft magazine back.



8b

Similar to Alpa 6b, but with single-window, superimposed-type coupled rangefinder and multifocal viewfinder for 50-, 90-, and 135-mm lenses; self-timer. Price, with Auto-Apochromat 50-mm Macro-Switar $f/1.8$ lens, \$469; with Auto-Apochromat 50-mm Switar $f/1.8$ lens, \$419; with preset 40-mm Makro-Kilar Model E $f/2.8$ lens, \$388.50.



MODEL 9d

35-mm; 50-mm Auto-Apochromat $f/1.8$ lens with openings to $f/22$, minimum focusing distance: 7 in.; automatic diaphragm; split-image rangefinder with clear circle; 1:1 groundglass image; prism-reflex focusing; instant-return mirror; opti-

35-MM SINGLE-LENS REFLEX

continued

cally coupled electronically compensated CdS behind-the-lens exposure meter; focal-plane shutter with 60 settings to 1/1,000 sec; MX synchronization; self-timer operates from 1-20 sec; rapid-wind single-stroke film transport; high-speed rewind lever with parallelogram support; release lock for light readings; depth-of-field previewing; double-exposure prevention; automatic exposure counter. Price, with f/1.8 lens, \$499; case, \$19.95; automatic lenses with bayonet mount: 24-mm f/3.5, \$199; 28-mm f/3.5, \$179; 35-mm f/2.8, \$179; 50-mm f/1.8, \$159; 90-mm f/2.5, \$179; 100-mm f/2 Apochromat, \$359; 135-mm f/3.5, \$179; 150-mm f/2.8 Apochromat, \$399; 180-mm f/4.5, \$199; other lenses: 9.8-mm f/1.8, \$549; 18-mm f/1.8 Apochromat, \$299; 25-mm f/3.5, \$119; 40-mm Macro-Kilar E, f/2.8, \$119.50; D, \$139.50; 75-mm f/3.5, \$129; 90-mm Macro-Kilar f/2.8, \$239; 210-mm f/2.8, \$449; 300-mm f/3.5, \$499; 300-mm Pan-Tele-Kilar f/4, \$449; 360-mm f/5.5, \$249; 400-mm f/4, \$489; 500-mm f/5.6, \$549; 600-mm f/5.6, \$619; 85-250-mm f/4 zoom, \$299; longer lenses on request. Accessories: cases, filters, lens shades, extension tubes, bellows, twin cable release to maintain automatic diaphragm for close-ups, micro-adaptor, close-up and copy stand; electric motor and 100-ft magazine.

MODEL 91

Same features as Alpa 9D, but without exposure meter. With Kern Switar 50-mm f/1.8 lens.

DIST., Karl Heitz, Inc.

ARGUS



SLR

35-mm; 58-mm Sekor f/1.7 lens, interchangeable; groundglass waist-level viewing; depth-of-field preview; focal-plane shutter with speeds to 1/1,000 plus time and bulb; single-stroke film advance; automatic diaphragm; instant-return mirror. Price, with case, \$192.90; with case and meter, \$227.80. Lenses available: 135-mm f/2.8 and 35-mm f/2.8.

MFR., Argus, Incorporated

ASTRA 35 F-X

35-mm single-lens reflex; depth of field scale; interchangeable lens; screw mount; minimum focusing dis-



tance 3 ft; focal plane shutter, speeds 1/2 to 1/500-sec and B; built-in XF synchronization; new Compur Synchro outlet; reflex groundglass focusing; eye-level, waist-level viewfinder; removable back; body shutter release; automatic exposure counter and film transport; double-exposure prevention. Price, with f/1.9 Meyer Primoplan lens, preset, \$74.95; with f/2 Zeiss Biotar preset lens, \$96.50; with f/2.8 coated lens, \$56.50; ready case, \$8.50. Accessories include chroma Penta Prism finder, \$15.95, BC flashgun, complete set of lenses from wide-angle to telephoto.

ASTRAFLEX 1000

Film size, 35-mm; interchangeable waist-level reflex finder for viewing and focusing; wide choice of interchangeable lenses in screw-threaded mount; focal-plane shutter with speeds from 1 to 1/1000 sec, MX synchronization; lever for film and exposure counter advance and shutter wind; double-exposure prevention; film-type reminder dial. Price, with preset Meyer Primoplan f/1.9, \$69.95; with semi-automatic f/2.8 Travegon, \$69.95; with Zeiss Tessar f/2.8 lens, \$74.50; with Automatic Zeiss Tessar f/2.8 lens, \$119.95; with preset Myer Primoplan f/1.9, \$89.95; with automatic Speed Astra f/1.9, \$119.95; with automatic Quinon f/1.9, \$159; with preset Biotar f/2, \$99.95. Accessories include prism viewfinder, waist-level finder, extension rings, extension bellows, B-C flashgun, filters, microscope adapter, case.



MODEL LM

Similar to Astraflex 1000, but with built-in exposure meter. Price, with preset Zeiss Tessar f/3.5, or semi-

automatic Travegon f/2.8, \$79.95; with Zeiss Tessar f/2.8, \$84.50; with preset Meyer Primoplan f/1.9, \$99.95; with automatic Speed-Astra f/1.9, \$129.95.



AUTO 35

35-mm. interchangeable lens; min. focusing distance 2 1/2 ft; screw mount; focal-plane shutter 1 to 1/1000 sec; T & B; self-timer; built-in synchronization for X- and F-delay lamps; reflex groundglass focusing; optical type eye-level viewfinder; through-the-lens focusing; self-cocking shutter; hinged back. Price, incl. F.E.T. with automatic f/1.9 lens, \$109.75; case, \$9.75. Accessories include: extension bellows; microscope filters and shades; extension tubes; flash guns; lenses.

DIST., Sterling-Howard Corp.

BELL & HOWELL/CANON



CANONFLEX RM

Takes 35-mm film; 50-mm f/1.8 lens with openings to f/22, interchangeable, with automatic diaphragm; bayonet mount, accepts lenses in Canon series, with adapter, also accepts thread-mount lenses; pentaprism reflex focusing in eye-level viewfinder with automatic parallax correction; instant-return mirror; built-in exposure meter calibrated in ASA film speeds from 10 to 800, exposure control by aligning two indicators on top of camera housing; focal-plane shutter, speeds: 1 to 1/1,000 sec, self-cocking, combined film/shutter wind, self-timer, MX and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$299.95; camera body only, \$185; with 58-mm f/1.2 lens, \$425; with 35-mm f/2.5 lens, \$345; with 55-135-mm f/3.5R Canonomatic zoom lens set, hood, and leather case, \$327.50; zoom lens alone, \$299.50; zoom lens leather case, \$14.50; cowhide ready case for cam-

era with 58-mm lens, \$17.95; aluminum-trimmed vinyl presentation case for camera, extra lenses, filters, film, \$39.95; ready case for all other normal and wide-angle lenses, \$16.95; waist-level viewer, \$21.95; camera holder R-3, \$14.95; locking cable release, \$2.25; film magazine V, \$4.95; lens cover, 50 cents; lens-mount converter for Exakta lenses, \$7.95; lens-mount converter for Canon and Leica screw-type lenses, \$11.50; lens-mount converter for using Canonflex lenses with screw-mount Canon cameras or for screw-mount close-up accessories, \$6.50; battery capacitor flashgun, leather case, \$18.95; sidelighting unit, \$17, with extension cord, \$21.50; 15-ft extension cord, \$4.95; 3-ft extension cord, \$3.75; flash-unit coupler for clip-on-type speedlights \$8.95; capacitor for flash and sidelighting units, \$2.

DIST., Bell & Howell Co.

BESELER



TOPCON SUPER D

35-mm single-lens reflex; 24x36-mm frame size; 58-mm Auto Topcor f/1.4 lens with openings to f/16, minimum focusing distance, 18 in., interchangeable, automatic diaphragm; Exakta, Topcon-type bayonet lens mount; pentaprism reflex focusing with split-image rangefinder in center spot; accessory waist-level viewer as well as eye-level; full-frame magnifier built into waist-level finder permits viewing entire frame of viewfinder; built-in exposure meter located behind reflex mirror reads light direct from camera lens; shutter speed dial is rotated or aperture ring turned to center a pointer visible in pentaprism viewfinder; meter operates with ASA film speeds 10 to 800; focal-plane shutter, speeds, 1 to 1/1,000 sec, conventional settings, combined film/shutter wind, self-timer, X and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$420; with 58-mm Auto Topcor f/1.8 lens, \$369; ready case, \$23. Wide range of lenses and accessories available.

DIST., Charles Beseler Co.

CONTAFLEX

PRIMA

35-mm single-lens reflex with built-in exposure meter coupled to diaphragm; convertible 45-mm Pantar f/2.8 lens in Prontor Reflex shutter



with speeds to 1/500 sec. Price, \$139; case, \$18.50. Accessories: 30-mm Pantar f/4 lens, \$82; 75-mm Pantar f/4 lens, \$86; interchangeable magazine back, \$49.



SUPER B

35-mm single-lens reflex; 24x36-mm frame size; 50-mm Zeiss Tessar f/2.8 lens with openings to f/22, minimum focusing distance: 2 1/2 ft, interchangeable; Contaflex bayonet lens mount; split-image rangefinder with groundglass ring; automatic parallax correction in viewfinder; built-in exposure meter with fully automatic exposure control for ASA film speeds 5 to 650; manual override; automatic flash control; between-lens shutter with speeds 1 to 1/500 sec and B, combined film/shutter wind, self-timer, MXV synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$259; ready case, \$18.50. Accessories available: 35-mm Protessar f/3.2 lens, \$84.50; 85-mm f/3.2, \$89.95; 115-mm f/4, \$96; Protessar M 1:1, \$59; interchangeable magazine back, \$49; monocular 8x30B, f/16, 400-mm, \$99; filters, Proxars, lens shades, cordless Koblitz 5 flashgun, table reproduction stand, micro attachment.

DIST., Carl Zeiss, Inc.

CONTAREX



35-mm; has 50-mm Planar f/2 lens, with openings to f/22, minimum focusing distance, 12 in., automatic

diaphragm; interchangeable lens, Contarex bayonet mount; eye-level pentaprism viewfinder has split-image rangefinder and groundglass focusing ring, extra bright viewfinder with Fresnel lens; viewing screen interchangeable against full groundglass; clear glass screen for microphotography; special screen for 250- to 1,000-mm telephoto lenses; automatic lens; automatic parallax correction; instant-return mirror; built-in exposure meter, adjacent to viewfinder window; focal-plane shutter with speeds B to 1/1,000 sec, shutter and film winding combined, self-timer, MX synchronization, automatic stop; double-exposure prevention; automatic exposure counter; data recording strips for photographing data on film available. Price, \$499; case, \$29. Accessories available: Biogon f/4.5 21-mm lens, \$249; Distagon f/2.8 25-mm, \$259; Distagon f/2 35-mm; Distagon f/4 35-mm, \$166; Planar f/1.4 55-mm, \$249; Sonnar f/2 85-mm, \$209; Tessar f/3.5 115-mm for bellows extension, \$249; Olympia Sonnar f/2.8 135-mm; Olympia Sonnar f/4 250-mm, \$439; Mirotar f/4.5, 500-mm mirror reflex lens, \$1,240; Mirotar f/5.6 1000-mm mirror reflex lens; monocular 8x30B f/16 400-mm, \$99; interchangeable magazine back, \$55; filters, Proxars, bellows, reproduction stand, micro adapters.

DIST., Carl Zeiss, Inc.

If you own any one of these cameras

ALPA	MIRANDA
BRONICA	NIKON F
CANON RF	NIKKOREX F
CANON SLR	PENTACON
EXA, II	PENTAX
EXAKTA	PETRIFLEX
KONICA FS	PETRI-PENTA
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35-MM SINGLE-LENS REFLEX

continued

EDIXA



ELECTRONICA

35-mm; interchangeable lens; eye-level viewing and focusing with split-image rangefinder on ground-glass; fully automatic exposure, can be set manually; built-in exposure meter; exposure control motor operates on five 1.35-volt batteries; lever-wind film advance; double-exposure prevention with provision for intentional double exposures; Synchro Compur shutter, speeds: 1 to 1/500 sec and B, MX synchronization. Price, with 50-mm Schneider f/1.9 lens, \$279.50; case, \$15. Lenses available: 50-mm Steinheil Quinon f/1.9; 50-mm Schneider Xenar f/2.8, 50-mm Steinheil Culminar f/2.8, 35-mm Schneider Curtagon f/2.8, 28-mm Schneider Curtagon f/4, 135-mm Schneider Tele-Xenar f/4.

EDIXAMAT



Single-lens reflex; takes 35-mm film; Steinheil 50-mm f/1.9 interchangeable lens with openings to f/22, minimum focusing distance; over 3 ft, automatic diaphragm; scale and pentaprism reflex focusing; automatic parallax correction in viewfinder; instant-return mirror; focal-plane shutter, self-cocking, combined film/shutter wind, self-timer, X and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$199.50; case, \$12.50. Other lenses and accessories available.

DIST., Edixa Camera Co.

EXA

MODEL 1A

Rotary focal-plane shutter; waist-level reflex viewfinder. Price, with preset 50-mm Meritar f/2.9 lens, \$59.50; body only, with waist-level



finder, \$49.95; 35-mm Meyer Primagor f/4.5 lens, \$39.50; 100-mm Isconar Tele f/4.5 lens, \$25; 135-mm Wirgar Tele f/4.5, \$39.95; 135-mm Isco Tele Westanar f/3.5, \$49.50. Accessories include penta-prism eye-level viewfinder, \$39.50; case, \$9.95.



MODEL 11A

35-mm single-lens reflex; interchangeable lens; pentaprism reflex focusing; eye-level viewfinder combined with rangefinder, automatic parallax correction; removable back; focal-plane shutter, speeds: 1/2 to 1/250 sec, conventional settings, combined film/shutter wind; lever-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, with 50-mm Zeiss Tessar f/2.8 pre-set lens, \$99.50; with 50-mm Meyer Primotar f/3.5 automatic lens, \$85; with 50-mm Meyer Domiplan f/2.8 lens, \$99.50; with 50-mm Zeiss Tessar f/2.8 automatic lens, \$119.50; body only, \$69.50; leather ready case, \$9.95.



MODEL 1B

35-mm single-lens reflex; 1x1 1/2-in. frame size; range of lenses available; Exakta, Topcon-type bayonet lens mount; pentaprism reflex focusing; eye-level viewfinder combined with rangefinder; automatic parallax correction; focal-plane shutter, speeds: 1/30 to 1/175 sec and B, combined film/shutter wind; knob-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price with 50-mm Meyer Domiplan automatic f/2.8 lens, \$89.95; with 50-mm Zeiss Tessar f/2.8 pre-set lens; body

only, \$79.95; ready case, \$9.95; waist-level viewfinder with ground-glass, \$19.95; 35-mm Meyer Goerlitz Primagon wide-angle lens, \$39.50; 100-mm Isconar f/4.5 lens, \$25; 135-mm Isco f/3.5 lens, \$49.50; 135-mm Wirgar f/4.5 lens, \$39.95.

AUTOMATIC 1A

Similar to above, but with fully automatic diaphragming Meyer Auto-Primotar f/3.5 lens; penta-prism eye-level viewfinder instead of waist-level viewfinder. Price, \$79.95.



MODEL 11

35-mm; interchangeable lenses; bayonet lens mount for all Exakta lenses; built-in eye-level pentaprism viewfinder; focal-plane shutter, 1/2 to 1/250 sec speeds, MX synchronization; single-stroke film transport; single shutter-speed-setting dial; shutter release lock; film-type indicator; automatic film counter; hinged back with removable pin. Price, with Zeiss Tessar f/3.5 preset lens, \$79.50; with Zeiss Tessar f/2.8 preset, \$99.50; with Meyer Primotar f/3.5 automatic, \$85; with Zeiss Tessar f/2.8 automatic, \$199.50; leather case, \$9.95; body only, \$69.50.

DIST., Exakta Camera Co.

EXAKTA



AUTOMATIC VX 11B

Single-lens reflex with interchangeable lenses, focal-plane shutter with speeds from 12 sec to 1/1000 sec. MFx synchronization; pentaprism eye-level viewfinder, split-image optical rangefinder, and automatic diaphragm. Price, with 50-mm Zeiss Tessar f/2.8 lens, \$249.50; 58-mm Zeiss Biotar f/2, auto., \$249.50; 50-mm Isco Westrocolor f/1.9, auto., \$249.50; 50-mm Schneider Xenon f/1.9 auto., \$269.50; with Iscomat LM f/1.9 lens, \$259.50; camera body only, \$180. Accessories available for both models include viewfinders for either type, cases for finders, etc.

DIST., Exakta Camera Co.

FUJICAREX



35-mm single-lens reflex; 50-mm Fujinon $f/1.9$ lens; reflex ground-glass focusing; built-in exposure meter for use with ASA film speeds 10 to 1600; exposure control by aligning two indicators inside finder window; focal-plane shutter, combined film/shutter wind, self-timer, MX synchronization; single-stroke film transport with automatic exposure counter. Price, \$149.50.

DIST., Fuji Photo Optical Products Inc.



closes down to $f/22$, automatic diaphragm, minimum focusing distance 3 ft; special Compur-type bayonet mount; built-in light meter permits exposure control by centering needle indicators on top of camera housing or in the viewfinder; behind-lens shutter with 1 to $1/500$ -sec speeds, self-timer, FMX synchronization; single-stroke lever wind advances film and exposure counter and winds shutter; double-exposure prevention with provision for multiple exposures. Price, under \$230; case, under \$15. Accessories include Kodak Retina lenses, 28-through 200-mm.

RETINA REFLEX III $f/1.9$

Same as Retina Reflex III $f/2.8$, but with interchangeable 50-mm Retina Xenon $f/1.9$ lens closing down to $f/22$, automatic diaphragm, minimum focusing distance, 3 ft. Price, under \$264; case, under \$18. Accessories include Kodak Retina lenses 28- through 200-mm.

RETINA REFLEX IV

35-mm; $f/1.9$ or $f/2.8$ 50-mm lens; pentaprism reflex and rangefinder focusing; electric-eye exposure control; control needle on top of camera and also visible in finder; flash and electronic flash synchronization; two flash outlets, for cordless type in accessory shoe and cord-type flash holders on camera front; automatic exposure counter return; fold-out film-rewind crank. Price, with $f/1.9$ lens, under \$280; with $f/2.8$ lens, less than \$245. Same accessories available as for Retina Reflex III.

MFR., Eastman Kodak Co.

KONICA



MODEL FP

35-mm single-lens reflex; 52-mm Hexanon $f/1.4$ lens with fully automatic stop down and reopen diaphragm; automatic instant-return mirror; focal-plane shutter with speeds from 1 to $1/1,000$ sec and B, MX synchronization; self-timer; single-stroke lever-wind film transport; automatic exposure counter;

double-exposure prevention. Price, \$229.95; with $f/1.8$ lens, \$199.95; hard leather case, \$16.95. Accessories: 35-, 52-, 100-, 135-, 200-, 400-, 800-mm Hexanon lenses; right-angle finder with case; Exakta and Praktica lens adapters; close-up lenses; filters; lens shades; extension rings; microscope attachment; flashgun; CdS meter with case and battery. DIST., Konica Camera Co.

KOWA

MODEL H

35-mm; 48-mm Kowa $f/2.8$ lens, openings to $f/22$, minimum focusing distance: 3 ft; automatic diaphragm; auxiliary screw-in lens available; pentaprism reflex focusing; eye-level viewfinder combined with rangefinder, instant-return mirror; fully automatic exposure control with ASA film speeds from 25 to 400; exposure control by aligning two indicators inside finder window; behind-lens shutter, speeds: $1/30$ to $1/300$ sec, additive system settings, self-cocking, combined film/shutter wind, X synchronization; lever-wind film transport, automatic stop, double-exposure prevention, automatic exposure counter. Price, \$112.50, including case, flash shoe. Accessories available: telephoto and wide-angle auxiliary lenses, filters, close-up lenses, neutral density filter, lens shade.

continued on next page

New SLR simplifies fine photography



AUTOMATIC ELECTRIC EYE FUJICAREX

*One finger does everything.
All controls "clustered" under your thumb*

See full details elsewhere on this page or write for free booklet

FUJI PHOTO OPTICAL PRODUCTS INC.
Subsidiary of Eikonreich
Photo-Optical Industries, Inc.
111 FIFTH AVE., DEPT. A-80, N.Y. 3, N.Y.

KODAK

RETINA REFLEX III $f/2.8$

35-mm; pentaprism finder for right-side-up, unreversed viewing and focusing through lens at eye-level; rangefinder prism; interchangeable 50-mm Retina Xenon $f/2.8$ lens,

PENTAX H3v

35-mm; pentaprism for right-side-up, unreversed viewing and focusing at eye-level; interchangeable screw-threaded 55-mm Super Takumar $f/1.8$ lens with fully automatic diaphragm, focuses to 1.5 ft; instant-return reflex mirror; focal-plane shutter with speeds to $1/1,000$ sec, T, B; non-rotating shutter speed dial; FP and X flash terminals; single-stroke lever advances film and exposure counter, and winds shutter; automatic exposure counter; self-timer; double-exposure prevention. Price, \$229.50; ready case, \$15. Accessories include 18- to 1,000-mm lens, CdS meter coupled to shutter-speed dial.

PENTAX H1A

Same features as H3v, except has 50-mm Auto-Takumar $f/2.0$ lens with fully-automatic diaphragm; shutter speeds to $1/500$ sec; lacks self-timer. Price, \$149.50.

DIST., Minneapolis-Honeywell, Heiland Div.

35-MM SINGLE-LENS REFLEX *continued*

MODEL SE

35-mm; 24x36-mm frame size; 50-mm Kowa $f/1.9$ lens with openings to $f/16$, minimum focusing distance: 30 in.; automatic diaphragm; pentaprism reflex focusing; eye-level viewfinder combined with range-finder; instant-return mirror; fully automatic exposure control with ASA film speeds from 10 to 800; exposure control by aligning two indicators inside finder window; behind-lens shutter, speeds 1 to 1/500 sec; additive system settings, combined film/shutter wind, self-timer, MXV synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$129.99, including carrying case, flash shoe. Accessories available: telephoto and wide-angle auxiliary lenses, filters, close-up lenses, neutral density filters, lens shade.

DIST., Prominar International Corp.

MAMIYA

JUNIOR

35-mm single-lens reflex, 24x36-mm frame size; 48-mm Sekor $f/2.8$ lens with openings to $f/22$, minimum fo-



cusing distance: 3 1/2 ft, automatic diaphragm; reflex groundglass and front scale focusing; waist- and eye-level viewfinder with bright frame, automatic parallax correction, instant-return mirror, previewer; built-in exposure meter for use with ASA film speeds 10 to 400, exposure control by aligning two indicators on top of camera housing; behind-lens shutter, speeds: 1/15 to 1/250 sec, conventional settings, combined film/shutter wind, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$54.50; ready case, \$4.50.



MODEL SLR

35-mm single-lens reflex; frame size, 24x36-mm; 50-mm Canon $f/1.9$ lens with openings to $f/16$, minimum focusing distance: 20 in., interchangeable, semi-automatic diaphragm; Exakta, Topcon type bayonet lens mount; pentaprism reflex focusing, full focusing screen; eye-level viewfinder with automatic parallax correction, instant-return mirror, focusing spot; focal-plane shutter, speeds: 1 to 1/1,000 sec, conventional settings, combined film/shutter wind, self-timer, X and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$118.50; ready case, \$8.25; coupled exposure meter, \$27.50; lens shade, \$5.45; extension tubes, \$7.95; extension bellows, \$17.95; micro adapter, \$9.95; accessory shoe, \$3.95; right-angle viewfinder, \$14.50; filters, \$5.50. Also available: 35-mm $f/2.8$ and 135-mm $f/2.8$ Auto-Mamiya lenses.

DIST., Olden Camera Co.

MINOLTA

ER

Fully automatic; takes 35-mm film for standard frame size; Rokkor 45-mm $f/2.8$ lens with openings to $f/22$, minimum focusing distance: 3 ft, automatic diaphragm; pentaprism



reflex focusing; split-image range-finder; fully automatic exposure control with ASA film speeds from 10 to 400, also manual control; between-lens shutter speeds: 1/30 to 1/500 sec and B, conventional settings, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$119.50; case, \$12.50. Wide-angle 35-mm and 85-mm telephoto lenses available.



SR-1

35-mm; pentaprism finder for right-side-up, unreversed viewing and focusing at eye-level; interchangeable 55-mm Auto Rokkor $f/1.8$ lens in Minolta bayonet mount, automatic diaphragm, minimum focusing distance, 18 in.; instant-return mirror; depth-of-field preview button; focal-plane shutter with 1 to 1/500 sec speeds plus B, X and FP synchronization, self-timer; equally spaced, non-rotating shutter speed setting; single-stroke lever advances film and exposure counter, winds shutter, and reopens diaphragm. Price, \$179.50; case, \$15. Wide-angle, zoom, macro, and telephoto lenses, shutter-coupled CdS exposure meter available, as well as a full line of camera accessories.



SR-7(A)

35-mm; 24x36-mm frame size; 58-mm Auto Rokkor $f/1.4$ lens with openings to $f/16$, minimum focusing distance, 2 ft; interchangeable; automatic diaphragm; bayonet mount; scale and pentaprism reflex focusing; microprism finder; eye-level viewfinder; instant-return mirror, depth-of-field preview, independent

only '35'
under \$200
that accepts
Nikon F lenses
and accessories



NIKKOREX F
automatic 35mm reflex

See description elsewhere on this page.

For complete details, write Dept. PD65

NIKON INC. 111 Fifth Avenue New York 3, N.Y.
Subsidiary of Ehrenreich Photo-Optical Industries, Inc.

mirror lock; built-in exposure meter for use with ASA film speeds 6 to 3200; on/off switch for built-in meter; meter scale coupled to ASA scale and shutter-speed scale; focal-plane behind-lens shutter, speeds: 1 to 1/1,000 sec and B, conventional settings, combined film/shutter wind, self-timer, X and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$284.50; ready case, \$15. Also available with 55-mm Auto Rokkor f/1.8 [Model SR-7(B)] at \$239.50 plus case. Full line of Rokkor lenses available.

DIST., Minolta Corp.

MIRANDA



AUTOMEX II

35-mm; 50-mm Soligor-Miranda f/1.9 lens with openings to f/16, minimum focusing distance, 17 in.; lens interchangeable; built-in exposure meter; ASA film-speed range, 25-1,600; automatic cross-coupled diaphragm; will accept all lens mounts with appropriate adapters; reflex ground-glass, pentaprism reflex viewing and focusing with rangefinder prism; instant-return mirror; all lenses from 28-mm to 135-mm are fully automatic and cross-coupled; exposure control by aligning two indicators inside finder window; focal-plane shutter, speeds, 1 to 1/1,000 sec, conventional settings, combined film/shutter wind, self-timer, MX, FP synchronization; lever-wind single-stroke film transport, automatic stop; double-exposure prevention; automatic exposure counter. Price, \$299.95; case, \$15.95. Accessories available: 28-mm to 400-mm lenses; bellows extensions, microscope adaptor, extension tube, critical finders, waist-level finder, adapters for using lenses of most other single-lens reflex cameras.

MODEL DR

35-mm; pentaprism finder permits right-side-up, unreversed viewing and focusing at eye-level, multi-split-grid rangefinder; instant-return reflex mirror; interchangeable, special bayonet-mounted 50-mm f/1.9 lens with automatic diaphragm, closes down to f/16, minimum focusing distance, 17 in. Bayonet mount adapts to take Praktica-type screw-threaded, Exakta-type bayonet mount lenses, and lenses of most other single-lens reflex cameras; also Leica-type screw-threaded and Con-

tax- and Nikon-type bayonet mount lenses for close-up photography only. Focal-plane shutter with 1- to 1/500-sec speeds, and X and FP synchronization; single-stroke lever advances film and exposure counter and winds shutter. Price, \$169.95; with 50-mm preset f/2.8 lens, \$129.95; case, \$15.95. Wide-angle and telephoto lenses available, as well as a full line of camera accessories.



MODEL F

Single-lens reflex; takes 35-mm film; 50-mm Soligor-Miranda f/1.9 lens with openings to f/16, minimum focusing distance, 17 in., interchangeable, with automatic diaphragm; pentaprism reflex focusing; eye-level viewfinder combined with rangefinder, also waist-level accessory viewfinder; instant-return mirror; internal automatic diaphragm; "multi-split" grid rangefinder interchangeable finders; with adapters can utilize more than 136 lenses; focal-plane shutter, speeds, 1 to 1/1,000 sec, conventional settings, combined film/shutter wind, X and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$189.95; ready leather case, \$15.95. Accessories available: waist-level finder; 5X and 15X magnifier finder; focusing aids; Focallor Bellows extension; extension tube set; microscope adaptor; pistol grip with cable release; optical slide duplicator; 2X automatic tele converter; automatic lenses: 28-mm f/2.8, 35-mm f/2.8, 85-mm f/1.8, 105-mm f/2.8, 135-mm f/3.5, 135-mm f/2.8, preset 400-mm f/5.5.

DIST., Allied Impex Corp.

NIKKOREX

AUTO-35

35-mm single-lens reflex; Nikkor f/2 lens, openings to f/16; built-in groundglass with rangefinder; fully automatic electric eye exposure operation; needle indicator shows exposure; may be used manually; automatic re-open diaphragm; instant-return automatic mirror; shutter speeds: 1 to 1/500 sec and B; full synchronization at all speeds with flash and electronic flash; fast rewind; automatic-reset exposure counter. Price, with 48-mm lens, \$169.50; 35-mm lens, \$64.50; 85-mm lens, \$84.50.

35 ZOOM

35-mm single-lens reflex; 43-86-mm Nikkor f/3.5 lens with openings



to f/22, minimum focusing distance, 20 in., automatic diaphragm; coupled rangefinder and reflex groundglass focusing; eye-level viewfinder; built-in exposure meter for use with ASA film speeds 10 to 1600; exposure control by aligning two indicators inside finder window; shutter speeds: 1 to 1/500 sec, conventional settings, combined film/shutter wind, MX synchronization; single-stroke film transport with automatic exposure counter. Price, \$249.50.

NIKKOREX F

Takes 35-mm film; interchangeable 50-mm Auto-Nikkor f/2 or 50-mm f/1.4 lens; accepts 19 interchangeable Nikkor and Auto-Nikkor lenses; Fresnel-type focusing screen with split-prism rangefinder; accessory exposure meter couples to diaphragm and shutter; automatic instant-return mirror, automatic instant-re-open diaphragm; focal-plane shutter, 13 speeds: 1 to 1/1,000 sec plus B, MX synchronization, self-timer delays action up to 10 sec; single-stroke rapid film advance, high-

perfect
beginning
to a fine
low-cost system



NIKKOREX AUTO-35

fully automatic electric eye slr

- Nikkor f2 lens accepts wide angle & tele conversion
- accessory attachments for macro, micro and astro photography

See description elsewhere on this page
For complete details, write Dept. PD55

NIKON INC. 111 Fifth Ave., New York 3, N.Y.
Subsidiary of Uniscope Photo-Optical Industries, Inc.

35-MM SINGLE-LENS REFLEX *continued*

speed film rewind; automatic zero-reset exposure counter; hinged back; fixed take-up spool. Price, with f/2 lens, \$199.50, with f/1.4 lens, \$264.50; body only, \$109.50; accessory meter, \$27.50. Accepts all but first two lenses listed for Nikon F.

DIST., Allied Inpa Corp.
Nikon Inc.

NIKON



MODEL F
Interchangeable pentaprism reflex finder for eye-level viewing and focusing through the lens; ground-glass with built-in rangefinder prism; interchangeable with conventional ground glass; instant-return mirror and instant-reopen automatic diaphragm; interchangeable lenses; minimum focusing distance, 2 ft; focal-plane shutter with speeds from 1 to 1/1000 sec; B, T, MX synchronization, self-timer; single-stroke lever advances film, counts exposure, cocks shutter; automatic-reset exposure counter. Price, with 50-mm Auto Nikkor f/2 lens, \$323, with chrome body; with 50-mm Auto Nikkor f/1.4 lens, \$388, with chrome body; body only, \$233 (chrome), \$252.50 (black). Photomic system, combining eye-level prism finder and coupled CdS exposure meter in same housing, \$99.50; electric motor drive permitting up to 4 exposures a sec, \$249.50 with installation. Nikkor lenses available: 8-mm Fisheye f/8 with 160-degree finder, \$479.50; 21-mm f/4, \$209.50; 28-mm f/3.5 auto, \$169.50; 35-mm f/3.5 P.C., \$249.50; 35-mm f/2.8 auto, \$159.50; 43→86 auto zoom, \$189.50; 50-mm f/2 auto, \$91.95; 50-mm f/1.4 auto, \$156.95; 55-mm auto micro with M ring, \$189.50; 85-mm f/1.8 auto, \$199.50; 85→250-mm f/4 auto zoom, \$515; 105-mm f/2.5 auto, \$184.50; 105-mm f/4, \$74.50; 135-mm f/3.5 auto, \$169.50; 135-mm f/4, \$125; 200-mm f/5.6 Medical Nikkor, a.c. and battery outfit, \$599.50 (a.c. outfit, \$515); 180-mm f/2.5, \$425; 200-mm f/4 auto, \$210; 200→600-mm f/9.5 auto zoom, \$515; 300-mm f/4.5 auto, \$279.50; 350-mm f/4.5, \$420; 500-mm f/5, \$530; 1000-mm f/6.3, \$1,750. Auto Tele Nikkor lenses available: 600-mm f/5.6; 800-mm f/8, \$750; 1200-mm f/11, \$950; focusing mount adapter, \$199.50.

DIST., Nikon Inc.

PENTINA



Takes 35-mm film; Zeiss Tessar 50-mm f/2.8 lens with openings to f/22, minimum focusing distance: 3 ft, interchangeable; coupled range-finder with bright frame; ground-glass and pentaprism reflex focusing; built-in exposure meter, calibrated in ASA film speeds from 10 to 1600, exposure control by aligning two indicators on top of camera housing; behind-lens shutter, speeds: 1 to 1/500 sec, LVS settings, self-cocking, combined film/shutter wind, self-timer; lever-wind single-stroke film transport, automatic stop, double-exposure prevention, automatic exposure counter. Price, \$99.50; ready case, \$12.50. Wide-angle and telephoto lenses available.

DIST., Prakti Camera Co.

PETRI FLEX



MODEL V
35-mm; 50-mm Orlikor f/2 lens closes down to f/16, minimum focusing distance, 2 ft, automatic diaphragm; interchangeable bayonet lens mount; pentaprism reflex with Micromic grid built into rangefinder; instant-return mirror; automatic reset counter, nonrotating dial; focal-plane shutter, 1/2- to 1/500-sec speeds, conventional settings, combined film/shutter wind, self-timer, MXF synchronization; single-stroke lever-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$142, with leather ready case. Optional accessories; right-angle finder, copying stand, extension tubes, filters, lens shade, accessory shoe.

DIST., Fotochrome Inc.

PRAKTICA

FX3
Reflex groundglass viewing and focusing at waist-level, sports-finder. Internally coupled automatic diaphragm control; screw-threaded mount for interchangeable lenses from 28- to 2000-mm; focal-plane shutter with 1/2 to 1/500 sec



speeds, B, MX and FP synchronization; single knob couples film and exposure counter advance and shutter wind; automatic stop; double-exposure prevention. Price, with Meyer Primotar f/3.5 lens, \$69.95; with 50-mm Carl Zeiss Tessar f/2.8 automatic lens, \$89.95. Lenses and full line of camera accessories available.

FX2

Similar to FX3 but without internal automatic diaphragm control. Price, with 50-mm Carl Zeiss Jena Tessar f/2.8 preset lens, \$69.95. Same accessories as for FX3.

PRAKTINA



FX

Up to 420 exposures (with bulk-film magazine), interchangeable 58-mm Carl Zeiss Biotar f/2 lens with openings to f/16, depth-of-field scale, minimum focusing distance 1.65 ft, bayonet mount; focal-plane shutter, speeds from 1 to 1/1000 sec and B, self-timer; FX synchronization; reflex groundglass focusing with split-image rangefinder; optical eye-level viewfinder; Concentrol system and special coupling receptacle for spring motor and electric motor; bayonet lens mount is recessed for extra-quick and secure lens changing; shutter speeds may be changed in either direction at any time, before or after winding shutter; pentaprism viewfinder is quickly interchangeable with waist-level viewfinder or accessory microscopic eyepiece; internal automatic lens diaphragm. Price, \$149.50. Lenses and full line of camera accessories available.

Ila

35-mm; 50-mm Flexon f/2 lens closes down to f/22, minimum focusing distance, 3 ft, automatic diaphragm, Asahi Pentax, Edixa, Praktica screw-type interchangeable lens mount; pentaprism reflex and rangefinder focusing; eye-level viewfinder; au-



tomatic parallax correction; built-in exposure meter, exposure control by aligning two indicators inside finder window; focal-plane shutter, 1- to 1/1,000-sec speeds, self-cocking, self-timer, MXF synchronization; knob-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter; body release. Price, \$228.75; ready case, \$12.

DIST., Camera Specialty Co.

RICOH



SINGLEX

Single-lens reflex; takes 35-mm film; Ricoh Auto Rikenon f/1.4 lens with openings to f/16, interchangeable, preset automatic diaphragm; Nikon bayonet lens mount; scale and pentaprism reflex focusing; double-image superimposing system with split-image rangefinder; eye-level viewfinder, instant-return mirror; metal focal-plane shutter, speeds to 1/1,000 sec and B, self-timer, MX synchronization; lever-wind single-stroke film transport; Price, \$199.95; case, \$23. Accessories available: CdS exposure meter, bayonet mount 35-mm Ricoh Wide Rikenon f/2.8 lens, 135-mm f/2.8, 200-mm f/4, 250-mm f/5.0, 300-mm f/5.5, 400-mm f/6.3, 90-190-mm f/5.8 zoom lens.



35 FLEX

Single-lens reflex takes 35-mm film; 50-mm Ricoh f/2.8 lens with openings to f/22, minimum focusing distance: 2.8 ft, automatic diaphragm; scale, reflex groundglass, pentaprism reflex and split-image focus-

ing; built-in exposure meter with fully automatic exposure control for ASA film speeds from 25 to 400; exposure control by aligning two indicators inside finder window; between-lens shutter, speeds: 1/30 to 1/300 sec, LVS settings, self-cocking, combined film/shutter wind, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$109.95; leather ready case, \$14.95.

DIST., Ricoh Industries, U.S.A., Inc.

TOWER

37A

Film-size, 35-mm; pentaprism reflex finder for right-side-up, unreversed viewing and groundglass focusing at eye-level; interchangeable 48-mm Mamiya f/2.8 lens in special bayonet mount, semi-automatic diaphragm; closes down to f/22; minimum focusing distance, 1.65 ft. Focal plane shutter with 1 to 1/500 sec speeds, FP-X synchronization; instant-return mirror; single-stroke lever advances film and exposure counter and winds shutter; double-exposure prevention. Price, \$98.95; case, \$8.50. Accessories include 35-mm f/2.8 wide-angle and 135-mm telephoto lenses with semi-automatic diaphragms; special attachable coupled exposure meters.

32B

Similar to Tower 37A, but with f/1.7 lens; focal-plane shutter with 1- to 1/1,000-sec speeds, self-timer. Price, \$147, with case. Accessories include same as Tower 37A. DIST., Sears, Roebuck and Co.

VOIGTLANDER



BESSAMATIC DELUXE

35-mm; 50-mm Septon f/2.8 or Color Skopar f/2 lens with openings to f/22, minimum focusing distance: 3 1/2 ft, interchangeable, automatic diaphragm; pentaprism reflex focusing with split image and groundglass; eye-level viewfinder combined with rangefinder; built-in exposure meter for use with ASA film speeds 10 to 1600, exposure control by aligning two indicators inside finder window; f/stop and shutter speed visible in viewfinder; behind-lens shutter, speeds: 1 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$229.50 with f/2.8 lens, \$299.50 with f/2 lens; ready case, \$15.95.



ULTRAMATIC

35-mm; 50-mm Septon f/2.8 or Color Skopar f/2 lens with openings to f/22, minimum focusing distance: 3 ft, interchangeable; automatic diaphragm; instant-return mirror; pentaprism reflex focusing with split image and groundglass ring; eye-level viewfinder, in which all exposure controls are visible; built-in exposure meter with fully automatic exposure control for ASA film speeds from 10 to 3200; behind-lens shutter, speeds: 1 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, with f/2 lens, \$365; with f/2.8 lens, \$295; leather ready case, \$18.95. Available: lenses in focal lengths of 35-, 40-, 50-, 90-, 100-, 135-, 200- and 350-mm and 36- to 82-mm Zoomar, filters, close-up lenses.

DIST., H. A. Bohm & Co.

world's
finest '35'



NIKON F

automatic 35mm reflex

- automatic mirror
- automatic diaphragm
- interchangeable Nikkor lenses

See description elsewhere on this page.

For complete details, write Dept. PD65

NIKON INC. 111 Fifth Avenue New York 3, N.Y.
Subsidiary of Ehrenreich Photo-Optical Industries, Inc.

35-MM SINGLE-LENS REFLEX

continued

YASHICA



PENTA J

Single-lens reflex; takes 35-mm film for standard frame size; Auto Yashinon 50-mm f/2 interchangeable lens with openings to f/16, minimum focusing distance, 1.75 ft; pentaprism reflex focusing; eye-level viewfinder; instant-return mirror; focal-plane shutter, speeds: 1/2 to 1/500 sec, conventional settings, X and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention. Price, under \$130; soft case \$15; clip-on meter, \$25; 90-degree finder, \$20; seven preset lenses from 35- to 400-mm, \$60 to \$170; 90-190-mm zoom lens, \$130; filters, lens shade, adapters, bellows, tubes, microscope adapter also available.



MODEL J-3

35-mm single-lens reflex; 50-mm Auto Yashinon f/2 lens with openings to f/16, minimum focusing distance, 21 in., interchangeable, preset diaphragm; Praktica screw-type lens mount; pentaprism reflex focusing and with microprism spot and groundglass collar; eye-level viewfinder; instant-return mirror; built-in exposure meter for use with ASA film speeds 12 to 800; focal-plane shutter, speeds, 1/2 to 1/500 sec, conventional settings, combined film/shutter wind, self-timer, X and FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, under \$160; case, \$15. Accessories same as Penta J.

MODEL J-5

35-mm, giving standard size frames; 50-mm Auto Yashinon f/1.8 lens, with openings to f/16, minimum focusing distance, 1.75 ft, interchangeable, automatic diaphragm; Canon-type screw-thread lens mount; pentaprism reflex focusing with micro-screen center spot and groundglass collar; eye-level viewfinder; instant-return mirror; built-in CdS exposure meter, operates



with ASA film speeds from 12 to 800 (shutter coupled); focal-plane shutter, speeds: 1/2 to 1/1,000 sec, conventional settings, combined film/shutter wind, self-timer, X, FP synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, under \$190; soft black leather case, \$15. Same accessories available as for Penta J and J-3.

DIST., Yashica, Inc.

ROLL- & SHEET-FILM SLR

ASTRAFLEX II



Single-lens reflex; roll film, size 120, 12 exposures, 2 1/4x2 1/4; 85-mm Meyer Gorlitz preset f/3.5 lens; focal-plane shutter, speeds 1 to 1/500 sec, T & B, preset diaphragm; depth of field scale; minimum focusing distance 3 1/2 ft; bayonet mt; reflex groundglass; built-in XM synchronization; built-in sheet film adapter; fully automatic shutter and wind; eye-level and waist-level viewfinder; all metal construction. Price, incl. tax, \$147.50; with Zeiss Tessar f/3.5 lens, \$159.50; with Trioplan preset f/2.8 lens, \$188.50; deluxe Eveready case, \$12.50. Accessories include extension tubes, \$16.50, deluxe flashgun, \$16.50, screw-in shade and filter holder, \$4.75, full line of interchangeable lenses.

DIST., Sterling-Howard Corp.

BRONICA

MODEL S

Format 2 1/4x2 1/4; 75-mm Auto-Nikkor f/2.8 lens; instant-reopen automatic



diaphragm, instant-return automatic mirror; instant action preview button; interchangeable Nikkor lenses from 50-mm wide-angle to 500-mm telephoto; interchangeable film backs; automatic film tension system; focal-plane shutter, 1/ to 1/1,000-sec speeds, XF synchronization. Price, with 2.8 lens, \$419.50; accessories include lenses, semi-automatic extension tubes, prism eye-level finder, filters, hoods, and cases.

DIST., Bronica

HASSELBLAD



500C

Roll film, size 120; 12 exposures, 2 1/4x2 1/4; film magazine interchangeable with roll film magazine for 16 2 1/4x1 3/8 exposures on roll or 16 super-slides. Interchangeable 80-mm Zeiss Planar f/2.8 lens with automatic and manual diaphragm and built-in Synchro-Compur shutter with EVS scale, automatic depth-of-field scale. Shutter speeds 1-1/500 sec. B, MX synchronization, self-timer. Quick release button for sequence shooting; reflex focusing; prism sports-viewfinder or eye-level prism finder; focusing hoods interchangeable with magnifying hood. Standard winding knob interchangeable with optional exposure meter knob or fast-winding handle. Automatic film transport, coupled with shutter wind. Price, with 80-mm Planar f/2.8 lens and one film magazine, \$600. Accessories include 50-mm Distagon f/4, \$432.50; 120-mm Planar S f/5.6, \$425; 150-mm Sonnar f/4, \$394.50; 250-mm Sonnar f/5.6, \$426.50; and 500-mm Tele-Tessar f/8, \$727.50; all above lenses with Synchro-Compur shutter, EVS scale, and automatic depth-of-field scale; ready case, \$29.50; combination case, \$49.50 and \$69.50; exposure meter, extension tubes,

close-up lenses, microscope adapter, diffusion disks, filters, and polarizer, winding knob combined with exposure meter, \$29.50.

DIST., Paillard Inc.

KALIMAR



MODEL SIX SIXTY

Single-lens reflex; takes 120 film size, for 2 1/4x2 1/4 frames; 80-mm Kaligar f/2.8 lens with openings to f/22, minimum focusing distance, 3 ft, interchangeable, pre-set diaphragm; pentaprism reflex focusing on groundglass, combined with rangefinder; eye-level and waist-level viewfinder, instant-return mirror; focal-plane shutter, speeds, 1/5 to 1/500 sec, conventional settings, combined film/shutter wind, X and FP synchronization; knob-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$189.50; ready case, \$17.50. Accessories: 150-mm Kaligar f/4 lens, \$79.50; 240-mm Kaligar f/4.5 lens; 300-mm Kaligar f/5.6 lens; 52-mm Kaligar f/3.5 lens, \$99.50; bellows extension, \$24.95; cable release, \$1.50; extension tubes, \$12.95; Hasselblad adapter, \$12.95.

MFR., Kalimar, Inc.

OPTIKA



MODEL IIA

Four negative sizes, 1 5/8x2 1/4 to 2 1/4x3 3/4 on 120 rollfilm; reflex groundglass viewing and focusing at waist-level; fresnel field lens; optical eye-level finder; interchangeable lenses; focal-plane shutter, 1/20 to 1/400 sec speeds; with MX synchronization; automatic exposure counter; 2 1/2-in. bellows, body release; accepts rollfilm magazines, cut film, film pack. Price, with pre-

set 105-mm Luminon f/3.5 lens, cutfilm holder, \$229.50. Accessories include Optikamatic rollfilm magazine for 3 negative formats on 120 film, \$25.50; cutfilm holders, \$14.85 per set of 3; 90-mm Optika Terragon f/3.5, \$99.50; 180-mm Preset Actinar f/4.5 lens, \$76.50; 180-mm Actinar f/4.5 lens, \$59.50; 210-mm Actinar f/6.3 lens, \$58.45; 210-mm Actinar f/4.5, \$79.50; 210-mm pre-set Actinar f/4.5, \$98.50; 300-mm Actinar f/4.5, \$179.50; 300- and 400-mm Actinar f/5.6, \$129.50 and \$196.50 respectively; leather gadget bag, \$14.95.

PRO

Same as Model IIA but with interchangeable eye-level and waist-level finders; additional shutter speeds of 1/2, 1/4 and 1/8 sec; mirror shock-absorbing system. Price, \$299.50. Same lenses and accessories.

DIST., Aetna Optix, Inc.

PRAKTISIX



Single-lens reflex; takes 120 roll film for 2 1/4x2 1/4 frame size; 75-mm Zeiss Tessar or Biometer f/2.8 interchangeable lens with openings to f/22, minimum focusing distance, 3 ft; reflex groundglass and pentaprism focusing; eye-level viewfinder with automatic parallax correction; pentaprism and split-image rangefinder glass available; focal-plane shutter, conventional settings, self-timer, X synchronization; lever-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, with Biometer lens, \$269.50. Wide-angle and telephoto lenses, five focusing glasses, extension tubes available.

DIST., Exakta Camera Co.

REFLEX 66



Roll film, size 120, 12 exposures, 2 1/4x2 1/4; 75-mm f/3.5 lens; interchangeable lenses up to 400-mm telephoto, engraved depth-of-field

scale; screw mount, focal-plane shutter, 1/25 to 1/500 sec, B; built-in synchronization for F-delay lamps; minimum focusing distance 3 1/2 ft, reflex groundglass focusing; critical focusing magnifier; open-frame type viewfinder. Price, \$69.50; case, \$8.95. Accessories available include flashgun and filters.

DIST., Sterling-Howard Corp.

TWIN-LENS REFLEX

AGFA



OPTIMA REFLEX

Uses 35-mm film for 24x36 frame size; Agfa Color Apotar 45-mm f/2.8 lens closes down to f/22, minimum focusing distance, 3 ft; scale focusing; coupled rangefinder; pentaprism reflex; eye-level viewfinder combined with rangefinder; automatic parallax correction; built-in exposure meter with fully automatic exposure control; behind-lens shutter, speeds, 1/30 to 1/250 sec, combined film/shutter wind, X synchronization; single-stroke lever-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$169; case, \$16.50. Accessories available, lens shade, filters.

MFR., Agfa Inc.

AIRES

AUTOMAT C AND N

Roll film, size 120; 12 exposures, 2 1/4x2 1/4; 75-mm Coral or Nikkor f/3.5 lens; depth-of-field scale; minimum focusing distance, 2 2/3 ft; double bayonet mount; Seikosh-Rapid shutter, speeds 1 to 1/500 sec and B; FX synchronization; automatic shutter cocking film advance, exposure counter, and double exposure prevention; reflex groundglass focusing; optical-type, eye-level, waist-level viewfinder; sports finder. Price on request. Accessories include close-up lenses with parallax corrections, filters, lens shade with bayonet fittings.

REFLEX 500 C

Roll film, size 120; 12 exposures, 2 1/4x2 1/4; 75-mm f/3.5 Coral lens; depth-of-field scale; minimum focusing distance 2 2/3 ft; double bayonet

TWIN-LENS REFLEX *continued*

mount; Seikosha-Rapid shutter, speeds 1 to 1/500 sec and B; built-in synchronization for class X and F lamps; reflex groundglass focusing; optical-type eye-level and waist-level viewfinder; sports finder. Price on request. Accessories include close-up lenses with parallax correction, filters, lens shade with bayonet fittings.

DIST., Manhattan Novelty Corp.

AMIFLEX II



Takes 120 film for 2 1/4 x 2 1/4 frame size; Amitar 80-mm f/3.5 lens closes down to f/22, minimum focusing distance, 3 ft; reflex groundglass focusing; waist-level viewfinder; eye-level magnifying hood; behind-lens and between-lens shutter, speeds from 1 to 1/300 sec and B, conventional settings, X synchronization; knob-wind film transport. Price, \$19.95; leather case, \$5.50; flash-gun \$4.95.

DIST., Sterling-Howard Corp.

GOWLANDFLEX



Uses 4x5 sheet film, 70-mm, 90-mm, or 120 roll film; reflex groundglass focusing; between-the-lens shutter with speeds of 1 to 1/400 sec; self-timer, MXV synchronization; 12-in. bellows extension; accepts Polaroid back; back revolves; automatic parallax correction. Price, with 150-mm Schneider Symmar f/5.6 lens, \$615; 180-mm Schneider Symmar f/5.6, \$634; with 210-mm Schneider Symmar f/5.6, \$659.53; 240-mm Schneider Symmar f/5.6, \$784.15; with 360-mm Tele-Xenar f/5.5, \$801.10. Accessories available, wood

case with leather cover, \$50; rubber hood with magnifying glass, \$40; focusing hood for top groundglass. MFR., Gowlandflex Camera Co.

HALINA



MODEL A-1

Takes 120 film, giving 2 1/4 x 2 1/4 frame size; f/3.5 lens; eye-level and waist-level viewfinder; shutter speeds: 1/25 to 1/100 sec, X synchronization. Price, \$19.95.

DIST., Petri-Kine Camera Co.

MAMIYAFLEX



MODEL C2

Roll film, size 120; 12 2 1/4 x 2 1/4 exposures; interchangeable lens-shutter assemblies. Standard assembly has twin 80-mm Mamiya-Sekor f/2.8 lenses, focus to 7 in.; Seikosha M-X shutter, 1-1/500 sec, B; when lens-shutter assembly is removed, safety lock makes film chamber light-tight. Semi-automatic film transport with auto-stop. Rack-and-pinion focusing. Removable self-erecting focusing hood with built-in magnifier and sports finder is interchangeable with accessory eye-level mirror finder; field lens focusing screen; delayed action timer; ASA film rating reminder. Price, with f/2.8 lens, \$199.50. Accessories include 105-mm Mamiya-Sekor f/3.5 lens-shutter assembly, \$104.50; 65-mm wide-angle f/3.5 lens-shutter set, \$159.50; 135-mm f/4.5 assembly, \$119.50; 180-mm f/4.5 lens, \$159.50; Porroflex eye-level image-erecting finder, \$34.45; iris diaphragm attachment for viewing lens; sheet film back adapter.

C-3

Accepts same interchangeable lenses as C-2; has similar features; Color coded focusing scale permits zone focusing and determines distances when using flash with any of five lenses; automatic double-exposure prevention; positive film-back safety lock; high-speed film-winding crank folds flat into body. Price, body only, \$155; with 80-mm f/2.8 lens, \$249.50; with 105-mm f/3.5 lens, \$259.50; with 135-mm f/4.5 lens, \$274.50; with 180-mm f/4.5 lens, \$314.50; with 65-mm f/3.5 lens, \$314.50; case for C-3 with 65-80- or 105-mm lens, \$16.50.

DIST., Mamiya

MINOLTA



AUTOCORD

Roll film, size 120; 12 exposures, 2 1/4 x 2 1/4; 75-mm Rokkor f/3.5 four-element lens; minimum focusing distance, 3.3 ft; Citizen shutter, 1 to 1/500 sec and B; reflex groundglass focusing; eye-level, waist-level viewfinder; automatic shutter cocking; double-exposure-prevention device, but double exposure possible. Price, \$99.50 incl. F.E.T.; leather case, \$9.95. Accessories include lens hood, filter, close-up lens, flash gun, Autopole, Panorama Head.

DIST., Minolta Corp.

ROLLEICORD



MODEL VB

Takes 35-mm or 120 roll film; Schneider Xenar 75-mm f/3.5 lens with openings to f/22, minimum focusing distance: 3 ft; automatic parallax

correction; Rolleiclear with range-finder wedge and accessory pentaprism reflex focusing; waist- and eye-level viewfinder; between-lens shutter, conventional and LVS settings, MXV synchronization; knob wind single-stroke film transport. Price \$149.50, including lens cap, cable release; case, \$15. Accessories available: filters, flash, 35-mm attachment, pentaprism, 16- and 24-exposure kit, etc.

ROLLEIFLEX



MODEL 4x4

Takes 127 film, frame size: $1\frac{1}{2} \times 1\frac{1}{8}$; 60-mm Schneider Xenar f/3.5 lens with openings to f/22, minimum focusing distance: $3\frac{1}{2}$ ft; reflex groundglass focusing; waist- and eye-level viewfinder; behind-lens shutter, speeds: 1 to 1/500 sec, LVS settings, combined film/shutter wind, self-timer, MXV synchronization; knob-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, with neck strap, lens cap, cable release, \$149.50; ready case, \$12.50.

MODEL T

Takes 120 roll film for 12 $2\frac{1}{4} \times 2\frac{1}{4}$ exposures; optional mask for 16 $1\frac{1}{2} \times 2\frac{1}{4}$ exposures; 75-mm Carl Zeiss Tessar f/3.5 lens, closes down to f/22; Rolleiclear prismatic focusing screen; automatic parallax correction; sportsfinder. Between-lens shutter with 1-1/500 sec speeds, LVS settings, MXV synchronization; crank for film advance; automatic exposure counter for 12 and 16 exposures per roll, Rolleikin for 36 exposures on 35-mm film can be installed. Price, \$219.50, case, \$22.50; masking set for 16 exposures, \$7.50; exposure meter, \$37.

2.8 E-3, 3.5 E-3

Takes 120 roll film for 12 $2\frac{1}{4} \times 2\frac{1}{4}$ exposures (35-mm film may be used with Rolleikin adapter for up to 36 exposures); 5-element 80-mm Schneider Xenotar or Zeiss Planar f/2.8 lenses, minimum focusing distance, 39 in.; Synchro-Compur shutter with B, 1 to 1/500 sec speeds, MX synchronization, self-timer; EVS settings; coupled controls with lock-out features for independent



settings; automatic depth-of-field indicator; double-exposure prevention; provision for multiple exposures; eye-level, waist-level focusing and viewing; detachable hood provides access to mirror and focusing screen for insertion of masks for parallax correction; Rolleiclear focusing screen with range-finder wedge; automatic film transport and shutter wind. Price, with Planar or Xenotar lens, \$330; exposure meter, \$37; case, \$22.50; with 75-mm Xenotar or Planar f/3.5 lens, \$269.50; exposure meter, \$37. Accessories include eye-level pentaprism, \$79.50; special back with glass plate, \$30; Rolleiflash 2 B-C flashgun, \$27.50; polarizing filter, size III, \$27.

3.5 F. 2.8 F

Takes 120 roll film for $2\frac{1}{4} \times 2\frac{1}{4}$ frame size; built-in light meter permits exposure control by aligning two indicators visible from shooting position; reflex viewing and focusing at waist level and also reflex viewing at eye-level; eye-level sportsfinder; extra-bright Rolleiclear focusing screen with split-image rangefinder wedge; automatic parallax correction; lens is either 75-mm Schneider Xenotar f/3.5 or 75-mm Zeiss Planar f/3.5, closes down to f/22, focuses to 39 in.; between-lens shutter with 1 to 1/500 sec speeds, MXV synchronization, self-timer; single-stroke-crank advances film and exposure counter and winds shutter; automatic stop; double-exposure prevention with provision for multiple exposures. Price, with Xenotar or Planar lens, \$299.50; includes cable release and neck strap; case, \$22.50. Accessories include bayonet Size II mount filters, Rolleipol, Rolleinar close-up lenses, flashgun, Rolleikin 35-mm adapter, super-slide kit, pistol grip, panorama attachment, lens hood, underwater housing, extension, etc. Model 2.8F with 80-mm Xenotar or Planar f/2.8 lens, \$360; case, \$22.50. Accessories include Rolleimot remote control unit, filters, close-up lenses, flashgun, pentaprism eye-level finder, 35-mm Rolleikin attachment, pistol grip, panorama head, Zeiss Mutar telephoto and wide-angle lens systems, micro tube and micropism attachment, optically flat glass attachment, watertight metal case, etc.



TELE-ROLLEIFLEX

Takes 120 roll film for $2\frac{1}{4} \times 2\frac{1}{4}$ frame size; twin 135-mm lenses for telephoto results; reflex screen viewing and focusing at waist-level with automatic parallax correction, also eye-level focusing; eye-level sportsfinder; extra-bright Rolleiclear focusing screen with rangefinder wedge; automatic depth-of-field scale; taking lens is 135-mm Zeiss Sonnar f/4, closes down to f/22, minimum focusing distance, 8 ft; special 0.35 and 0.7 Rolleinars permit parallax-corrected shooting down to 4 ft, 5 in. and 3 ft, $\frac{1}{2}$ in., respectively; between-lens shutter with 1 to 1/500 sec speeds, self-timer, and MXV synchronization; conventional and EVS settings; single-stroke crank advances film

world's only
twin-lens reflex
cameras with
interchangeable
lenses



MAMIYA C SERIES

See description elsewhere on this page.

For complete details, write Dept. PD65
MAMIYA Division of Ehrenreich
Photo-Optical Industries, Inc.
111 Fifth Avenue, New York 3, N. Y.

TWIN-LENS REFLEX

continued

and exposure counter and winds shutter; double-exposure prevention with by-pass. Price, including cable release and neck strap, \$395; case, \$24.95. Accessories include Rolleiklin 35-mm adapter; special Rolleiklin close-up lens sets; sheet-film plate-back adapter; pre-assembled exposure meter-T, \$37; Size III filters; pistol grip; panorama attachment; Rolleiflex tripod attachment; flashgun; lens hood; extension hood, etc.



WIDE-ANGLE

Has Zeiss Distagon 55-mm $f/4$ lens, covers 71-degree angle; shutter speeds to 1/500 sec; coupled controls with light value scale; automatic depth-of-field indicator; detachable hood with optical direct viewfinder; optical glass plate provided for use in focal plane. Price, \$395; case, \$24.95; accessories available, exposure meter, filters for b&w and color, Rolleipol polarizing screen, pentaprism, pistol grip, bayonet mount Size IV, Rolleinar Set 2 shortening normal minimum focusing distance of 2 ft to close-up range of $9\frac{1}{2}$ in., etc.

ROLLEI-MAGIC II

Takes 120 roll film for $2\frac{1}{4} \times 2\frac{1}{4}$, $1\frac{3}{8} \times 1\frac{3}{8}$, or $1\frac{1}{2} \times 2\frac{1}{8}$ frame size; 75-mm Schneider Xenar $f/3.5$ lens with openings to $f/22$, minimum focusing distance: $3\frac{1}{2}$ ft; groundglass and accessory pentaprism reflex focusing; waist- and eye-level focusing; built-in exposure meter, fully automatic exposure control with ASA film speeds from 12 to 1600. May be operated manually. Between-lens shutter, speeds: 1/30 to 1/500 sec, conventional and EVS settings, combined film/shutter wind, self-timer, MXV synchronization; lever-wind single-stroke film transport, automatic stop, automatic exposure counter. Price, \$199.50, including neck strap, lens cap, cable release; case, \$17.50. Filters, flash unit, pentaprism, lens shade, 16-exposure kit, permitting 16 exposures of $1\frac{3}{8} \times 1\frac{3}{8}$ or $1\frac{1}{2} \times 2\frac{1}{8}$ frame size, portrait lenses available. DIST., Honeywell Photographic Products

ROLLOP



Uses 120 roll film for $2\frac{1}{4} \times 2\frac{1}{4}$ frame size; Enna $f/2.8$ lens closes down to $f/22$, minimum focusing distance, 3 ft; coupled split-image rangefinder, reflex groundglass focusing; automatic parallax correction; between-lens shutter, speeds from 1 to 1/300 sec, conventional settings, LVS, self-cocking, MXV synchronization; lever-wind film transport; automatic stop; double-exposure prevention; automatic exposure counter. Price, \$99.50; ready case, \$10.

DIST., Camera Specialty Co.

ROYALCORD III



Roll film, size 120; $12\frac{1}{4} \times 2\frac{1}{4}$ exposures; 75-mm $f/3.5$ lens, closes down to $f/22$; depth-of-field scale; shutter, 1-1/300-sec speeds, B, self-timer; automatic film transport; waist-level groundglass viewing and focusing; built-in magnifier; eye-level sportsfinder; all-metal construction; body shutter release; lens takes bayonet accessories. Price, \$39.95. Accessories include ever-ready case, \$5.50; flash gun, lens hood, filters.

DIST., Sterling-Howard Corp.

YASHICA

MODEL A

Roll film, size 120; $12\frac{1}{4} \times 2\frac{1}{4}$ exposures; twin 80-mm Yashiko $f/3.5$ lenses; X flash synchronization, 1/25-1/300-sec speeds, B; waist-level groundglass viewing and focusing to 3.3 ft; built-in groundglass magni-



fier; eye-level sportsfinder; depth-of-field scale. Price, under \$36, case extra.

MODEL D

Reflex groundglass viewing and focusing at waist-level; 80-mm Yashikor $f/3.5$ taking lens; minimum focusing distance, 3.2 ft; 120 roll film; $2\frac{1}{4} \times 2\frac{1}{4}$ picture format; between-lens shutter, with 1 to 1/500 sec speeds, MX synchronization, self-timer; knob-wind film advance with automatic stop and automatic exposure counter. Price, under \$50; case, extra. Accessories include lens shade, close-up lens sets, hand grip.



MODEL E

Takes 120 size roll film for $2\frac{1}{4} \times 2\frac{1}{4}$ frame size; 80-mm Yashikor $f/3.5$ lens with openings to $f/22$, minimum focusing distance: 3.5 ft; reflex groundglass focusing; waist-level viewfinder; built-in exposure meter providing fully automatic exposure control with ASA film speeds 10 to 200; between-lens shutter, speed: 1/60 sec; knob-wind film transport with automatic stop, automatic exposure counter. Price, under \$55; ready case, \$10. Accessories available: close-up lens sets, hand grip, lens shade.

44A

Uses 127-size roll film for 4×4 picture format; Reflex groundglass viewing and focusing at waist-level; built-in eye-level finder; taking lens, 60-mm Yashikor $f/3.5$; minimum focusing distance, 3.2 ft; between-lens shutter with 1/25 to 1/300 sec speeds and X synchronization. Price, under \$36, case extra.



44 LM

Film size, 127; frame size, $1\frac{1}{8} \times 1\frac{1}{8}$; 60-mm Yashinon f/3.5 lens with openings to f/22, minimum focusing distance, 3.3 ft; reflex groundglass focusing; waist level and eye-level viewfinder; built-in exposure meter; between-lens shutter with speeds 1 to 1/500 sec; LVS, geometric progression settings, self-timer, MX synchronization; knob wind film transport, automatic stop; automatic exposure counter. Price, under \$60; case, extra. Accessories available: lens shade; close-up lens set; grip,



YASHICA-MAT EM

Uses 120 film, giving $12\frac{1}{4} \times 2\frac{1}{4}$ exposures; 80-mm Yashinon f/3.5 lens; f/3.2 viewing lens; minimum focusing distance, 3.3 ft; reflex groundglass focusing; waist-level, eye-level viewfinder; built-in uncoupled exposure meter; 1 to 1/500 sec speeds; LVS, geometric progression settings, combined film/shutter wind, self-timer, MX synchronization; lever-wind single-stroke film transport, automatic stop; double-exposure prevention; automatic exposure counter. Price, under \$85; case, extra.

DIST., Yashica Inc.



635

Takes $12\frac{1}{4} \times 2\frac{1}{4}$ -in. pictures on 120 or up to 36 exposures on 35-mm film; semi-automatic film advance for both film sizes; rewind for 35-mm film; twin f/3.5 Yashikor lenses; field lens focusing screen; 1-1/500-sec shutter speeds, B, MX synchronization; self-timer; eye-level sportsfinder for both picture sizes. Price, including compartment case, under \$70; ready case, extra.

YASHICA-MAT

Roll film, size 120; $12\frac{1}{4} \times 2\frac{1}{4}$ exposures; single crank of lever advances film, sets shutter, prevents double exposures; 4-element 80-mm Yashinon lenses; f/3.5 for taking f/3.2 for viewing; waist-level groundglass viewing and focusing; field lens focusing screen; Copal shutter, 1-1/500-sec speeds, B, self-timer, MX synchronization; self-erecting hoods with magnifier, eye-level sportsfinder; die-cast aluminum body. Price, under \$76; case, extra.

SUB-MINIATURE

EDIXA 16



Uses 16-mm film, for 12×17 -mm frame size; 25-mm f/2.8 lens with openings to f/16, minimum focusing distance, 16 in.; bright frame in viewfinder, parallax marks for close-ups; built-in UV filter; shutter speeds: 1/30 to 1/150 sec, self-cocking; lever-wind film transport with double-exposure prevention, automatic exposure counter. Price, \$69.95; \$89.95 with exposure meter; case, \$4.95; case for camera and meter, \$5.95. Accessories available: clip-on exposure meter, push-on filters, flashgun, neck chain, projector, slide mounts.

DIST., Edixa Camera Co.

GAMI

16

Uses 16-mm Gami 30-exposure cartridge film, 12×17 -mm frame size; 25-mm Galileo Esamitar Anastigmat f/1.9 lens, stops down to f/11, minimum focusing distance, 20 in.; eye-level combined viewfinder-rangefinder with automatic parallax correction; built-in exposure meter with ASA film speeds 12 to 200 for black-and-white and 20 to 150 for color; exposure control inside finder win-



dow; shutter speeds: $\frac{1}{2}$ to 1/1,000 sec and B, EVS settings, combined film/shutter wind, X synchronization; film transport and shutter cocking automatic with camera handle-cover operation; single shots or sequence burst exposures. Price, including leather case, neck chain, and reusable film cartridge, \$299.50. Accessories include 4X and 8X telephoto lenses, copy lens, filters, copy stand microscope adapter, film loader, film slitter, developing tank, viewer, enlarger.

DIST., Kling Photo Corporation

MEC



16

Uses 16-mm film; 20-mm f/2.8 lens, minimum focusing distance: 1 ft, automatic three-way snapshot settings; shutter speeds, 1/30 to 1/1,000 sec, B, X synchronization; automatic vertical and horizontal parallax correction; lever wind; automatic exposure counter; built-in filter channel. Price, \$84.50; with f/2 lens, \$99.50; with f/2.8 lens, no meter, \$49.50. Accessories include set of seven filters.

DIST., Camera Specialty Co.

MEOPTA

MIKROMA II

Uses 16-mm film; 20-mm Mirar f/3.5 lens, minimum focusing distance: 18 in.; scale focusing; shutter speeds, 1/5 to 1/400 sec, M synchronization; eye-level viewfinder; combined single-stroke film/shutter wind; double-exposure prevention. Price, with case, \$37.50. Accessories include pouch case, developing tank, projector, film cutter, filters, copying system, viewer, enlarger, slide binders.

DIST., Magniphot Corp.

MINOLTA

16 CDS

Uses 16-mm film, gives 10×14 -mm frame size; 25-mm Rokkor f/2.8 lens, with openings to f/16; fixed focus,

SUBMINIATURE *continued*



zone focusing for close-up and distance; eye-level viewfinder with bright frame; built-in exposure meter with fully automatic exposure control for ASA film speeds from 25 to 320; front-of-lens shutter with three-way dial for 1/200 (high), 1/50 (low), and 1/30 sec (flash); knob-wind film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, \$89.95, including soft leather zipper case, battery, UV filter, wrist strap. Accessories available: filter set No. 6, \$2.95; filter set No. 7, \$3.95; BC III flash, \$5.95.

16-II

Uses 16-mm film for 20 exposures, 10x14-mm frame size; fixed-focus 22-mm f/2.8 coated lens, aperture range f/2.8 to f/16; speeds: 1/30 to 1/500 sec, X synchronization; push-pull body cover advances film, winds shutter, protects lens when closed for carrying; retracting film-pressure plate. Price, with case and UV filter, \$39.95. Accessories available include filter kit; filter file; accessory and tripod bracket; B-C III folding-type flashgun; enlarger; projector; two close-up sets: (1) with No. 1 and 2 lens, No. 0 distance lens, yellow filter; (2) with 1A filter, 80A and 81B color conversion filter.

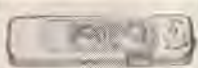


16-P

Uses 16-mm film, 10x14-mm frame size; fixed-focus 25-mm f/3.5 lens (accessory lenses permit close-ups); shutter speed: 1/100 sec, X synchronization; thumb-knob single-stroke rapid film wind; double-exposure prevention; automatic exposure counter. Price, including case and UV filter, \$26.90. Also available as Minolta 16-P Gift Pack, with camera, case, Minolta Baby B-C flashgun and case, flash bracket, one roll of film. Case, \$2. Accessories include flashgun; accessory lenses; filters for color and black-and-white film; projector; enlarger.

DIST., Minolta Corp.

MINOX



B AND PRIVATE EYE

Uses 9.5-mm film, 50 exposures on black-and-white film, 36 exposures on color film, 8x11-mm frame size; 15-mm f/3.5 coated lens, fixed aperture, minimum focusing distance: 8 in.; shutter speeds 1/2 to 1/1,000 sec, T, B, X synchronization; built-in exposure meter coupled to shutter; complete range of film speeds, black-and-white and color; push-pull body cover advances film, winds shutter, protects lens and finder when closed for carrying; retracting film pressure plate; bright frame finder with automatic parallax correction; built-in 2X green, 10X neutral density filters; distance measuring chain for close-ups; satin chrome finish. Price, Minox, \$149; Private Eye, with black finish, \$174. Accessories include Model B B-C flash for AG-1 bulbs with retractable reflector, \$14.95; tripod; telephoto-binocular clamps; copying stand; reflex and right-angle finders; enlarger; developing kit and tank; film viewer - magnifier; transparency viewer-cutter; projector; slide-binding kit; slide file; supplemental black-and-white and color-correction filter kits.

DIST., Minox Corp.

MUNDUS COLOR



TB-8/20

For 16-mm or double perforated film (also double 8) in 25-ft lengths for 350 pictures; 20-mm Som-Berthiot f/2.8 lens, stops down to f/22, interchangeable; scale focusing; with close-up rings, can focus up to 3 in.; eye-level viewfinder; behind-lens shutter, speeds: 1 to 1/300 sec and B, flash synchronization, self-cocking; single-stroke film transport lever with automatic stop, double-exposure prevention, automatic exposure counter. Price, with one 25-ft roll film, \$119.50.

ECONO

Similar to TB-8/20, but gives 12x15-mm frame size, using single perforated 16-mm film, making 500 pictures on 25-ft roll of film. Camera can be utilized in connection with MC sound projector. Price, \$125. Same accessories.

DIST., Mundus Color Co.

STYLOPHOT



DE LUXE

Uses 16-mm film for 12 exposures, frame size: 10x10-mm; 27-mm f/3.5 coated lens, minimum focusing distance 2 ft. 8 in.; one shutter speed; 1/75 sec. X flash synchronization, automatic wind; ready indicator in viewfinder window; front controls; pocket clip for carrying. Price, with compartment case, \$32.95. Accessories include filters, slide mounts, and mounting strips, magnifying table viewer.

STANDARD

Similar to Stylophot De Luxe but with fixed-focus f/6.3 lens; shutter speed: 1/50 sec. Price, with case, \$14.95. Accessories include filters, portrait lens, magnifying table viewer; projector.

DIST., The Kimac Co.

TAK-N-SEE

Uses 16-mm film; 20-mm Som-Berthiot f/2.8 lens, minimum focusing distance, 6 in.; eye-level viewfinder, also sports finder; double-exposure prevention; automatic exposure counter. Price, \$125; close-up rings, \$3.60 per set; 500-exposure spool of Kodachrome II film including processing, \$4.50; 250-exposure spool, \$3.

MFR., Baptista Films

YASHICA



16EE

Uses 16-mm film, giving 10x14-mm frame size; 25-mm Yashinon f/2.8 lens with openings to f/16; fixed focusing; eye-level viewfinder with bright frame; secondary viewfinder for unobtrusive right-angle photographing; indicator for close-ups; built-in exposure meter, fully automatic exposure control with ASA film speeds from 25 to 320; warning needle on top of camera indicates when light is insufficient; behind-lens shutter, speeds: 1/30 to 1/250 sec, combined film/shutter wind, X synchronization; thumb-knob-wind single-stroke film transport with automatic stop, double-exposure prevention, automatic exposure counter. Price, under \$65, with wrist strap, built-in haze filter; soft leather zippered case, \$5. Accessories: album, \$3.95; refills, \$1.80; tripod, \$2.95; set of three filters, \$2.95 each.

DIST., Yashica Inc.

PRESS & VIEW

BRAND

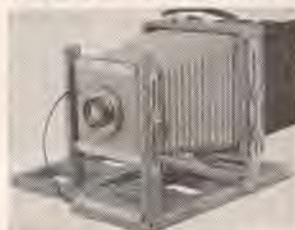


17 4x5 UNIVERSAL

Sheet film, packs; optional lens equipment; takes focal lengths from 3½ to 17 in.; magnesium construction; 17-in. bellows extension; collapsible wire frame-type finder; front and back swing, rise, tilt; drop bed; scale focusing; revolving groundglass back. Price, with 3¼x4¼ or 4x5 revolving Graphic back, \$150; with 4x5 and 3¼x4¼ revolving Graflex back, \$150; with 4x5 revolving Graphic dividing back, \$165. Accessories: interchangeable lenses, Kalart rangefinder, flash, case, film holders, film hanger.

MFR., Brand Camera Co.

BURKE & JAMES



COMMERCIAL VIEW 4x5

Sheet film, packs, 4x5; optional lens and shutter equipment; 21-in. bellows extension; reversible wood back; rack-and-pinion focusing; double extension bellows; calibrated groundglass with four-sided focusing hood; 5¼x5¼-in. lens board. Price, without lens, \$124.50; with lens, from \$149.50 up; deluxe case, \$29.50. Accessories include reducing and sliding backs.

5x7 VIEW

Sheet film, packs 5x7; 5¼x5¼-in. lens board; reversible back, folding light hood; measures 5¼x11x9¾ in. when folded; weight 7½ lb.; calibrated focusing screen; many movements. Price, less lens, \$149.50; deluxe case, \$29.50.

COMMERCIAL VIEW 8x10

Sheet film, packs, 8x10; double extension 29-in. bellows; all movements with full bellows extension; separable bed extension; calibrated

focusing screen with vertical and horizontal lines; camera back locks at any position on camera bed; reversible back; sliding "U" standard of camera back provides adjustment of 7 in. and side shift of 6¾ in.; angle of adjustment of horizontal and vertical swing, both front and rear unlimited; front standard has rise adjustment of 5 in. and side shift of 3 in.; all wearing parts of metal; measures 6½x14¾x12¾ in. when folded; weight 13½ lb.; will accept Packard shutters up to 2¼-in. opening; sliding and reducing backs and Polaroid Land camera back. Price, less lens \$199.50. Accessories for all three cameras, 4x5, 5x7 and 8x10 include reducing and sliding backs.



ORBIT 4x5, 5x7

Sheet film, packs; optional lens and shutter equipment, 4x4-in. lens board; rack and pinion focusing; revolving back; front movements: rise, tilt, slide, swing; lever release of groundglass frame; sliding tripod block; spirit level; single controls on right side of camera permit easy adjustment for perspective; bellows extension: 3¾ to 16 in.; Price, without lens, 4x5, \$139.50, with lens, from \$299.50; 5x7, without lens, \$174.50, with lens from \$299.50. Accessories include fitted carrying case, \$42; metal lens board; sheet-film holder; monorail studio stand.



SPEED PRESS 4x5

Sheet film, packs, 4x5; optional lens equipment; 13-in. bellows extension; eye-level finder; revolving back; track lock; all-metal body; all swings and tilts on lens board; drop bed; calibrated groundglass with four-sided focusing hood; focusing scale; 4x4-in. lens board, leather-covered aluminum body. Price, outfit, with coated 5¼-in. Carl Zeiss Tessar f/4.5 lens in Compur full-synchro shutter, \$399.50, including Kalart rangefinder, six holders, deluxe case.

COMMERCIAL VIEW 11x14
View type; takes 11x14 sheet film; lens and shutter optional; takes Packard shutter to 8½-in. square; maximum bellows extension 43 in.; groundglass focusing; full swings and tilts; 9x9-in. lens board; 3-section folding bed; weighs 24 lb. Price, \$324.50; fiber case, \$49.95. Accessories available include lenses, shutters, reducing and dividing backs.

MFR., Burke & James, Inc.

BUSCH



4x5 PRESSMAN D

Sheet film 4x5, pack 4x5 or 3¼x4¼; compact, all-metal box; available with 127-mm coated Kodak Ektar f/4.7 lens; or 135-mm coated Wollensak Raptar f/4.5 lens in 3 models of Supermatic or Rapax shutters; shutters have built-in synchronization; double extension bellows taper to lens mount; eye-level finder and collapsible wire frame finder with parallax correction on rear sight; groundglass back; manual and scale focusing; coupled rangefinder; revolving back; focusing magnifier; adjustable infinity stops for interchangeable lenses. Price, \$169, less lens.

MFR., Busch Camera, Inc.

CALUMET



MODEL C-1+

Takes 8x10 film, also 4x5 and 5x7 with accessory backs; minimum closure with recessed lens boards, 65 mm; all accessory backs with quick release for insertion of film holders; self-adjusting focusing system for either horizontal or vertical work; full swings and tilts,

PRESS & VIEW

continued

front and back, on optical axis; magnesium and stainless steel construction. Price, \$285.



MODEL CC-400*

View type; film size, 4x5; bellows extension, 16 in.; accepts Polaroid back; front movements: 4-in. rise and fall, 30-degree tilt, 7/8-in. slide, 12-degree swing; back movements: 360-degree revolve, 30-degree tilt, 12-degree swing. Price, \$89.95; with carry case, \$104.90.

MODEL CC-401*

View type; film size, 4x5; bellows extension, 22 in.; accepts Polaroid back; front movements: 4-in. rise and fall, tilt, 30 degrees, 7/8-in. slide, 12-degree swing; back movements: 360-degree revolve, 30-degree tilt, 12-degree swing. Price, \$114.95; with carry case, \$129.90; extra 4x4 lens board, \$3.25.

*Sold directly from factory only.

MFR., Calumet Manufacturing Co.

DEARDORFF



PRECISION VIEW

4x5, 5x7, 8x10, 11x14

All similarly built except for size; bellows extension 22 in. on 4x5 Special and 5x7; 30 in. on 8x10; 42 in. on 11x14 model. Prices, without lens equipment, 4x5 Special, \$300; 4x5 Special with Graflex fittings, \$310; 4x5 Special with revolving back, \$325; 5x7 model, \$300; 8x10 model, \$425; 11 x 14 model, \$625; 8x20 or 12x12 model, \$895. All sizes equipped with double swings front and back. Available as accessories are cases, reducing backs, 5x7 split sliding carriage, extra lens boards, Packard shutter adapters.

5x7 HOME PORTRAIT

View camera; sheet film, 5x7 and 3 1/2x5; groundglass back for focusing; maximum bellows extension 13 in.; built of mahogany with maple bed; outside lever on 5x7 back permits quick shifting for 3 1/2x5 when desired, with sliding lens board centering lens on required area. Designed to allow 1 3/4-in. Packard shutter to be mounted on rear of lens board, or mechanical shutter on front of board. Price, \$175. Accessories available; lenses and shutters, tripods.

8x10 PORTRAIT SERIES

Studio portrait camera; sheet film, 8x10 or smaller; groundglass back for focusing; maximum bellows extension 27 in.; constructed with front and rear swings, front controlled from behind groundglass by levers mounted on rear of camera bed; equipped with revolving adapter accepting 8x10 and smaller backs. Camera, without lens, \$560; stand, \$625. Accessories available, Packard studio shutters, lenses, reducing backs, and portrait studio stand.

MFR., L. F. Deardorff & Sons, Inc.

FAVERO SUPER-CAMBO

4x5, 5x7, 8x10

View-type; 17-in. bellows extension; front movements: rise, tilt, slide, swing, drop bed; back movements: revolve, tilt, swing. Price, 4x5, \$285; 5x7, \$335; 8x10, \$535. Ply. wood case, 4x5, \$60; 5x7, \$60. Accessories available include recessed lens board, roll-film back, lens hood.

DIST., Burleigh Brooks, Inc.

FO-GRAF-FEK

2 1/4x3 1/4 press-view camera; lens board rise-fall, 1 1/4-in.; lateral movement, 1 3/4-in.; 30-degree tilt; 45-degree swing; 6-in. bellows extension; water-resistant rubber bellows; aluminum body; revolving back; uses standard pack adapters or cut film holders; interchangeable lens board; sports-finder; pre-drilled for optional coupled rangefinder. Price, black model, \$68.50, polished model, \$80, less lens and rangefinder. Accessories include coupled rangefinder, accessory tubes for double extension to 9 ins.

DIST., Ries Camera Co., Inc.

GRAFLEX

CENTURY GRAPHIC

Sheet film, packs or roll film, 2 1/4x 3 1/4; 101-mm Graflex Garlar f/4.5 lens in No. 0 Prontor-SVS shutter; built-in XFM synchronization; collapsible wire frame finder; parallax-correcting optical viewfinder; manual, scale, and groundglass focusing; Graflex back; folding infinity stops;

rising, tilting, and laterally shifting front. Custom model, gray covering, \$200. Complete line of accessories available.



PACEMAKER SPEED GRAPHIC MODEL FP

Sheet film, packs or roll film, 4x5 size; interchangeable lensboards; focal-plane shutter with governed speeds from 1/30 to 1/1,000 sec; built-in synchronization; dual control rack-and-pinion focusing; selector switch to set body release for front and back shutter operation; tilting front with vertical and lateral shifts; drop bed; double extension bellows; interchangeable film attachments; folding infinity stops; rising front; Graflex or Graflex back, Ekta-lite Field lens included in focusing panels; Graphic Rangefinder coupled to lens; built-in Range-lite for night focusing; parallax-correcting viewfinder, accepts interchangeable cams for wide-angle, normal, and telephoto lenses, 3 1/2 to 15 in. Price, \$477.45. Rangefinder magnifying eyepiece, \$3.50; wide-angle V.F. adapter, \$4.95; plus flash filters, film attachments, etc., available.

PACEMAKER CROWN GRAPHIC

4x5 sheet film, packs, or roll film; features same advantages as the Pacemaker Speed Graphic with exception of the focal-plane shutter. Prices from \$274.50 depending on lens selected. Accessories same as for Speed Graphic.



SUPER GRAPHIC 45

4x5 press; interchangeable matched cams couple built-in rangefinder and focusing scale to interchange-

able lenses from 90-mm wide-angle to 380-mm telephoto; front tilt, 15° swing, 25 degrees from center, shift 1/2-in. from center, 1/4-in. rise; 15-degree bed drop; 12 1/2-in. bellows extension; electric shutter release; back rotates 360 degrees, takes Graphic holder, all 4x5 Graflex accessories, including accessory sheet, roll, pack, and Polaroid backs; groundglass back; focusing hood; sportsfinder; built-in flash exposure computer; 3-pin body flash outlet; weight 4 3/4 lb. Price, with 135-mm Graflex Optar f/4.7 lens in No. 2 Graphex Full Sync shutter, \$480.45; with 162-mm Graflex Optar f/4.5 lens in No. 3 Graphex Sync shutter, \$499.95. Accessories include Handicase, Presslok tripod mount, viewfinders, flash units, Strobflash, Graflarger, lenses, etc.



SUPER SPEED GRAPHIC

4x5; between-the-lens shutter with orbital action, which allows shutter blades to open and close three times faster than conventional between-the-lens shutters; speeds, 1/2 to 1/1,000 sec; nonreciprocating ribbed ring cocks the shutter and serves as integral lens shade-filter holder; back and body tilt together on tripod; front lens standard rises, tilts forward and back, swings right and left and shifts right and left; forward-tilting lensboard and drop bed combine for 30-degree tilt; lateral swing increases apparent depth of field; electric shutter and flash tripping from button located to operate built-in BC circuit with self-contained batteries; interchangeable cams to match lenses (none for 65-mm) operate integral rangefinder, focusing scale and flash exposure calculator; revolving back for horizontal and vertical positions; camera can be opened and closed without disconnecting flash. Price, \$649.50, including lens and shutter. Complete line of accessories available.

GRAPHIC VIEW II

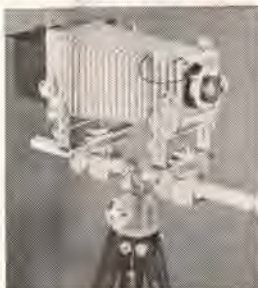
Sheet film, packs, 4x5; equipped with Graflex back with Ektalite Field lens installed; interchangeable lensboards; 15 1/2-inch bellows draw; identical swings, tilts, and shifts on both front and back; adjustments made on optical axis; V-section aluminum bed; camera bed combined with pan-tilt head; spirit level; track locks. Price, with Graflex back,



\$232. Carrying case and complete line of accessories available.

MFR., Graflex, Inc.

GROVER



UNIVERSAL VIEW— 4x5, 5x7, 8x10

Sheet film, packs, 4x5; optional lens equipment; double extension bellows; groundglass back focus; reversible back, all-metal construction; monorail bed, front and rear focusing; calibrated groundglass with four-sided hood; 5 1/4 x 5 1/4-in. lens board. Price, \$169.50; 5x7 with reversible wood back, \$189.50 less lens; 8x10, with reversible back \$239.50 less lens; deluxe case, \$39.50. All have standard reversible wooden back with four-sided light hood; lens board on 5x7 measures 5 1/4-in. square and will take Packard shutters up to 2-in. opening; 8x10 lens board measures 6x6 in. and takes Packard shutters up to 2 1/4-in. Accessories include: reducing and dividing backs, roll-film backs, Polaroid backs, many lenses.

MFR., Burke & James, Inc.

HORSEMAN

MULTI-FORMAT 970

2 1/4 x 3 1/4-size; takes 4x5 with accessory back; supplied with one, two, or three lenses, cam-coupled to rangefinder; universal optical viewfinder with bright-frame lines, automatic parallax correction, and universal automatic distance scale; universal groundglass spring-back with field lens extends, swings, tilts; front extends to 10 1/2-in., swings, tilts, rises; bed drops; left-right body shutter release; coupling color



code; all lenses fitted with Seikosha Micromatic SLV No. 0 shutter; ten speeds, 1 to 1/500 sec and B, MX synchronization; built-in Press-Focus; self-timer; flash terminal on lens board; drop-in cable release socket. Price, body only, \$467.50; for 105-mm Horseman f/3.5 lens, \$549; plus 65-mm f/5.6 lens, \$679.50; plus 180-mm f/5.6 lens, \$856; camera also available with Super lenses. Price, with 105-mm Super f/4.5 lens, \$679; plus 65-mm Super f/7 lens, \$911.50; plus 108-mm f/5.6 lens, \$1,088; 120 roll-film holder, \$69.50; Universal 4x5 groundglass spring-back, \$109.50; 150-mm Super lens, \$169.50; B-C flashgun, \$44.50; hard leather compartment case, \$64.50.

MFR., Harrison Marketing Corp.

LINHOF



COLOR 4x5

Size, 4x5; front rises, tilts, slides, and swings; back revolves, tilts, and swings; maximum bellows extension, 17 in.; accepts lenses mounted on lens boards and Polaroid back. Price, \$299.50, less lens; deluxe compartment case, \$83. Accessories include 2 1/4 x 3 1/4 reducing back, lens-and-shutter combinations, eye-level and optical viewfinder; optical Multifocus Viewfinder, adjustable for lenses from 90 to 360 mm, \$104.50.

COLOR 23

Similar to Linhof Color 4x5 model above, but with 2 1/4 x 3 1/4-in. back. Price, \$299.50.

KARDAN-COLOR 5x7, 8x10

View cameras, take sheet film, plates, film packs, magazines, adapters for 4x5, 2 1/4 x 3 1/4, and 2 1/4 x 2 3/4 roll film; lenses from 47-mm wide-angle up to any focal length; maximum bellows extension 22 in.; extreme adjustability of front and back standard for tilts, swings, shifts,

PRESS & VIEW

continued



risers, and falls; all movements, calibrated and zeroed; "Add-a-unit" principle permits omitting or adding camera elements to suit specific needs; **rotating interchangeable back** permits use of reducing adapters for smaller negative sizes; front and back focusing; built-in spirit level; interchangeable lensboard frames also accept lens mounted on Super Technika 23, 45, and 57 boards. Price, with 24-in. monorail, front and back standard, one bellows, tripod adapter base, **5x7 model, \$592; 8x10 model, \$817**. Accessories available include Triplex Conversion outfit, to convert 5x7 or 8x10 models to Triplex (39-in. monorail) model, including bellows center-support standard with same movements as front and back standards, 39-in. monorail, and additional bellows section, **\$261**; adjustable compendium bellows lens shade, **\$61**; reducing backs; carrying case.

TECHNIKA 70

Takes 2 1/4x3 1/4 sheet film, plates, size 120 roll film for ten 2 1/4x2 3/4 exposures with adapter, 70-mm with Cine Rollex back for up to 53 2 1/4x2 3/4 exposures; choice of 36 interchangeable lenses, with rangefinder coupling for lenses from 53- to 240-mm; coupled rangefinder combined with bright-frame optical viewfinder with automatic parallax correction and leveling device; built-in match-needle-type exposure meter for use with ASA film speeds 6 to 6400; triple bellows extension; accepts Polaroid Land film back; revolving groundglass back fitted with Kodak Ektalite field lens has click stops for vertical or horizontal positioning; front movements: rise, tilt, slide, swing, drop bed; back movements: tilt; Anatomical grip. Price less lens, **\$699.50**. Complete camera and lens outfits with up to three lenses, from **\$845 to \$1,849**.

SUPER TECHNIKA V 4x5

Takes 4x5 sheet film, film pack, film magazine, plates or, roll-film adapters; for 2 1/4x2 3/4 on 120 film or 70-mm perforated film; wide choice of

lenses; available or own lens can be installed; 2-position body shutter release; maximum bellows extension 17 in. (triple), open-frame-type viewfinder; offers all camera movements of view model, with 15-degree maximum tilts and swings of lens through optical axis and groundglass back; 3-position drop bed; shifting and rising front; rotating interchangeable back for all standard holders; Polaroid adapter; enlarging attachments; built-in spirit level; flip-up infinity stops adjustable for all focal lengths; interchangeable distance scales; Kalart Focuspot can be attached; focusing back fitted with Kodak Ektalite field lens; all-metal construction. Price, without lens, **\$699.50**, including hand grip; leather attache compartment case, **\$145**. Accessories available include Multifocus optical viewfinder, roll-film adapters, macro lenses; microscope adapter.

SUPER TECHNIKA 5x7

Features and details similar to Super Technika 4x5, but with 23-inch maximum and 4-inch minimum bellows draw. Price, less lens, **\$940**. Accessories include cases, 4x5 and 2 1/2x3 1/4 reducing backs, roll-film adapters; for 120 film or perforated 70-mm film, macro lenses, microscope adapter, etc.



PRESS 70

Press; takes 120 roll film with Press Super Rollex for ten 2 1/4x2 3/4 exposures; with Press Cine Rollex, takes perforated 70-mm film for up to 50 exposures, 2 1/4x2 3/4 size; lens is mounted in Synchro Compur shutter with reciprocating shutter speed and f-stop settings and automatic depth-of-field indicators; helical focusing mount couples automatically to rangefinder; luminous distance scales; automatic parallax correction; built-in exposure meter; MX synchronization; shutter speeds: 1 to 1/500 sec and B. Price, with Press Super Rollex, **\$735**; with Press Cine Rollex, **\$808**; anatomical hand grip with built-in shutter release standard on both models. Lenses: 80-mm Press Xenotar f/2.8, **\$469**; 80-mm Zeiss Press Planar f/2.8, **\$589**; 53-mm Press Super-Angulon f/4, **\$749**; 53-mm Zeiss Press Biogon f/4.5, **\$769**; 180-mm Press Tele-Artion f/4, **\$619**; 180-mm Zeiss Press Sonnar f/4.8, **\$699**.

DIST., Kling Photo Corp.

MAMIYA

23 DELUXE

Accepts 2 1/4x3 1/4 sheet film, packs, 120 roll film, giving full and half 120 and 2 1/4x2 3/4 frame size; accepts interchangeable Mamiya lenses: 65-mm f/6.3, 90-mm f/3.5, and 150-mm f/5.6, each supplied in own focusing mount; all couple to rangefinder; combination eye-level viewfinder/rangefinder; groundglass back; shutter speeds: 1 to 1/500 sec and B; MX synchronization; back extends, swings, tilts; two tripod sockets; hand grip; cable release. Price, **\$309.50**, including 90-mm lens, Mamiya back; with Graflok back, **\$339.50**. Accessories available include: 65-mm lens with finder, **\$179.50**; 150-mm lens, **\$169.50**; roll-film holder, **\$65**.

23 STANDARD

Same as 23 Press, except no provision for back swings and tilts. Comes with 90-mm lens and choice of model A or B roll-film back instead of groundglass back; will not accept any other Mamiya or any Graflok film holder. Price, with 90-mm lens, **\$269.50**.

DIST., Mamiya

PLAUBEL



PECO JUNIOR

View camera; 4x5 and 2 1/4x3 1/4 size; spring back, central axis adjustment for tilting and swinging; spirit level; rotating back; gearing and spring-load bearings for precision focusing. Prices, 4x5, **\$225**; 2 1/4x3 1/4, **\$155**.

PECO UNIVERSAL III 4x5, 5x7

Full swings and tilts; lens swivels on optical axis; precision focusing; rigid mono-rail; all backs interchangeable. Prices, 4x5, **\$335**; 5x7, **\$360**; 8x10, **\$495**.

DIST., Olden Camera Co.

PECO JUNIOR 2 1/4x3 1/4

View; film size, 2 1/4x3 1/4; interchangeable lens; groundglass back focusing; between-lens shutter, conventional settings, self-timer, MXV synchronization; bellows extension, 10 in.; accepts Polaroid film back; front movements: rise, tilt, slide, swing; back movements: tilt, swing, slide. Price, **\$160**; leather shoulder case, **\$48**; fabric compartment case, **\$38**. Accessories available: sliding Makinarail back, 2 1/4x2 3/4 roll-film holder, 35-mm roll-film holder.



PECO JUNIOR 4x5

View; film size, 4x5; interchangeable lens; groundglass back focusing; between-lens shutter, conventional settings, self-timer, MXV synchronization; bellows extension, 13 in.; accepts Polaroid film back; front movements: rise, tilt, slide, swing; back movements: revolve, tilt, swing; Price, \$239.50; canvas and fiber case, \$50. Accessories available: wide-angle bellows, compendium lens shade, filter holder, Graflok back, reducing back, Makinarail sliding back, 35-mm, 2 1/4x2 1/4, and 2 1/4x3 1/4 roll-film holders.



UNIVERSAL III

View; takes plate, sheet, roll film, 35-mm to 8x10; interchangeable lens; groundglass back focusing; between-lens shutter, conventional settings; unlimited bellows extension; accepts Polaroid film back; front movements: rise, 100-mm, tilt, 25 degrees, slide, 100-mm, swing, 45 degrees; back movements: tilt, 25 degrees, swing, 35 degrees; Price, basic 4x5, \$350; basic 5x7, \$380; basic 8x10, \$510; hammered aluminum case for 4x5, \$85, for 5x7, \$90, for 8x10, \$110. Accessories available: extension bellows and track, wide-angle bellows, wide-angle track, focusing-cloth holder, reducing backs and frames, Makinarail sliding back (for roll-film sizes), Graflok back, iris lens board, filter frame, compendium lens hood, accessory shutter.

DIST., Thomas Instrument Co., Inc.

REMBRANDT

PORTRAIT 4x5, 5x7, 8x10

Sheet film packs; supplied with standard reversible back; lens and shutter optional; four-sided light hood and groundglass; hardwood body with small front standard; dimensions 11x11 1/2x15 in; rack-and-pinion focusing with dual control knobs and focusing lock; back rise, fall, and tilt; 6x6-in. removable lens board, weight, under 10 lb; fittings



for hose connections on behind-the-lens shutters standard on all models; accepts 2 3/4-in. diam. Packard shutter. Price, with regular back, less lens and shutter, \$84.50. With divided sliding carriage back providing two exposures on each film and maintaining film in optical axis for maximum fine detail, and regular back, \$148, without lens and shutter. Model II with folding bed, carrying handle, built-in flash and hose connections, \$99.50; with both sliding and regular backs, \$159. Model I with standard 5x7 back, less lens and shutter, \$84.50; with divided sliding back providing two 3 1/2x5 exposures on each film, and also with 5x7 straight back, \$144 without lens and shutter; 8x10, \$149.50. Accessories include: 35- and 70-mm backs, Polaroid sheet holders, reducing and dividing backs, wide choice of lenses.

MASTER STUDIO

8x10 professional-type camera for studio and portrait work. Double-extension bellows; groundglass back; all necessary swings; extension bed; reversible back; extra-large lens board, large controls for easy operation. Mounts on Rembrandt stand with holder compartments. Price, \$295 for camera (without lens and shutter), reversible back, lens board; with stand and 8x10-5x7 combination back, \$729. Accessories available include heavy-duty Rembrandt studio stand, \$299.50; 8x10 sliding carriage back for two exposures on 5x7 or 8x10 film, and other reducing and sliding carriage backs.

MFR., Burke & James, Inc.

SINAR

STANDARD 4x5, 5x7, 8x10

Sheet film, film packs including Polaroid and Grafmatic 4x5, 5x7, or 8x10 by exchanging back and bellows; takes lenses up to 5-in. diameter and from 47-mm up to any focal length; extreme tilting and shifting of back and front frame in any direction; interchanging and adding of 6-, 12-, and 18-in. optical bench tubes, frames, with coarse and fine adjustment, zero marks. Prices, 4x5, \$399; 5x7, \$499; 8x10, \$699.

EXPERT 4x5, 5x7, 8x10

Same as Sinar Standard, but with optical bench extension, auxiliary frame, wide-angle bellows, parallel



bellows, magnifying lens, and carrying case. Prices, 4x5, \$699; 5x7, \$799; 8x10, \$999; interchangeable backs and bellows, 4x5, \$199; 5x7, \$299; 8x10, \$499. Accessories: automatic diaphragm and rear-set diaphragm lens board, universal synchronized shutter with automatic remote control, universal filter holder and lens shade, filters, trick-shot mirror, camera stand and holder, pan-tilt head, stabilizing rods, 8x10 multicolor plate holders, reducing adapters, 2 1/4x2 1/4 and 2 1/4x3 1/4 reducing back and film holders; Kern Swiss Apochromat 210-mm f/6.6, 300-mm f/8, 360-mm f/11, 58-mm Grandagon lenses; Schneider Angulon, Super-Angulon, and Symmar, Rodenstock Imagon, and Apo-Ronar lenses, from 47-mm up to 800-mm. DIST., Karl Heitz, Inc.

two compact
fast handling
press cameras



MAMIYA 23

STANDARD & DELUXE

- rangefinder-coupled interchangeable lenses
- 2 1/4x3 1/4 roll film, sheet film or pack

Deluxe Model features back swings for perspective control

See descriptions elsewhere on this page
For complete details, write Dept. PD65

MAMIYA Division of Ehrenreich
Photo-Optical Industries, Inc.
111 Fifth Avenue New York 3, N.Y.

CAMERAS

continued

STEREO

EDIXA



STEREO MODEL 1A

Produces 20 and 36 standard stereo-size pairs; matched 35-mm Edinar f/3.5 lenses; Vello shutter with speeds from 1/10 to 1/200 sec and B; M synchronization; scale focusing; optical viewfinder; automatic frame counter; double-exposure prevention; double-stroke film-advance lever. Price, \$59.95; case, filters, flash, and wide-angle lens attachment available.

DIST., Camera Specialty Co.

STEREO GRAPHIC



35-mm; 15 or 28 exposures; 35-mm Graflar f/4 lens in Graflex shutter, 1/50 sec and B; built-in FM synchronization; fusion focus; double-exposure prevention; compact, light-weight; one-dial setting. Price, \$66.50. Accessories available include carrying case, filters, lens shade, flash units, viewer.

MFR., Graflex, Inc.

STEREO REALIST



MODEL 1041

Stereo still camera; uses standard 35-mm cartridges; up to 29 stereo pairs per loading; f/3.5 David White anastigmat lenses; shutter speeds from 1/200 sec to 1 sec, T and B; built-in flash synchronization; focusing scale; coupled split-image rangefinder; centered viewfinder eliminates parallax; double-exposure control; depth-of-field scale; exposure counter. Price, \$149.50; outfit includes camera, flash, electric- or battery-operated viewer, carrying case, \$215; wide-angle lens, \$119.50.

MODEL 1050

Stereo still camera; uses standard 35-mm cartridges; frame size, 21x23 mm; 35-mm Realist matched f/2.8 lens with openings to f/22, minimum focusing distance, 2 1/2 ft; scale focusing; coupled rangefinder; eye-level viewfinder, bright frame; automatic parallax correction; behind-lens shutter, speeds, 1 to 200 sec, conventional settings, X synchronization; knob wind film transport, automatic stop; double-exposure prevention; automatic exposure counter. Price, \$215; case, \$19.50. Accessories available: ±1513 wide-angle lens with case, \$119.50; ±1661 flashgun, \$9.95; stereo viewers, battery-operated and electric, from \$7.50 to \$25. MFR., Realist, Inc.

VIEW-MASTER



STEREO COLOR

Stereo still camera; uses standard 35mm cartridges, producing 40 or 75 stereo pairs; twin, matched 20-mm Rodenstock Trinar f/2.8 lenses; bright-line viewfinder; programmed shutter and aperture controlled by single central control, for ASA film speeds 10-100 (and DIN), EV range from 8 to 15; shutter speeds from 1/30 to 1/60 sec and B; integral exposure guide; MX synchronization with semi-automatic exposure control; combined film/shutter wind; produces stereo pairs for mounting in View-Master disks usable in existing View-Master viewers and projectors. Price, \$78.50. Accessories available include: case, \$8.50; film cutter and inserter, \$18.50; disks and protective sleeves, six for \$1; viewers, from \$1.75 to \$6.95; projectors, from \$9.95 to \$249.50.

MFR., Sawyer's Inc.

POLAROID LAND CAMERAS



AUTOMATIC 100 LAND

Folding type; takes Type 107 3,000-speed pack film and Type 108 Polaroid color Land pack film, giving eight

3 1/4 x 4 1/4-in. prints per pack; pictures develop outside camera, color in 60 sec, black-and-white in 10 sec; fully automatic, including flash exposures; makes time exposures automatically; transistorized electronic shutter and electric eye; coupled rangefinder; weighs 2 1/2 lb; cover is part of camera. Accessories available include fitted compartment case, No. 324; carry-all case No. 322, flashgun No. 268; cable release No. 191; self-timer No. 192; development timer No. 128; cloud filter No. 516; portrait kit No. 581; close-up kit No. 583; UV filter No. 585; print file No. 1501 for any Polaroid Land prints.



AUTOMATIC 101 (COLOR PACK II)

Folding type; takes Type 107 and Type 108 film; picture size, 3 1/4 x 4 1/4; 114-mm glass triplet, color-corrected f/8.8 lens with openings to f/42, minimum focusing distance, 3 1/2 ft; coupled rangefinder focusing; viewfinder combined with rangefinder with bright frame, automatic parallax correction; fully automatic exposure control with ASA film speeds of 75 and 3000; between-lens shutter, speeds: about 1 to 1/1,200 sec, X synchronization. Accessories: No. 268 flashgun, No. 128 development timer, No. 192 self-timer, No. 1501 print file, No. 516 cloud filter, No. 191 cable release, No. 581 portrait lens, No. 583 close-up lens, No. 324 and 322 black vinyl cases, No. 585 UV filter.



MODEL 110B

Folding type; eight 3 1/4 x 4 1/4 prints per roll or eight 3 1/4 x 4 or 2 1/4 x 2 1/4 transparencies; takes Polaroid Land picture rolls 42, 46, 46L, 47, 48, and 146L; four-element 127-mm Rodenstock f/4.7 lens, closes down to f/45 with lens cap aperture of f/90 for

extra depth of field from 20 ft. to inf.; shutter speeds from 1 to 1/300 sec.; illuminated projected-frame viewfinder and rangefinder combined in large window; synchronized for wink-light, conventional and electronic flash; EV settings with shutter-lens interlock. Price on request. Accessories include leather case 306A, leather deluxe fitted case 310; wink-light 250, close-up lens kit 550, filter and lens shade kit 551, electronic flash adapter cord 490, exposure meter 625, and slide file. Kit containing camera, fitted case, wink-light, two Type 47 picture rolls, and two write-in albums also available. Timer available as accessory.

MFR., Polaroid Corp.

SPECIAL

BEATTIE PORTTRONIC



MODEL A

Automatic electric portrait camera; accommodates 25-, 46-, 70-mm roll film in various formats; has 162- or 190-mm f/6.3 color-corrected lens; electrically operated synchronized shutter and electric film transport; large reflex view with self parallax correction; all-metal construction; weighs 8½ lb. Price, \$960 to \$1,175.



PORTTRONIC NINETY

Automatic electric studio camera; takes 3½-in. wide, 70-mm, 96-mm, and 35-mm roll film in various formats; revolving back; interchangeable color-corrected 162-mm, 190-mm, and 250-mm lenses; electrically operated synchronized shutter; automatic negative identifier; film notcher, exposure counter; electric film transport; full-size reflex viewer

With self parallax correction; all-metal construction; weighs 17 lb. Price, \$1,240-\$1,470.

MFR., Beattie-Coleman Inc.

BROOKS-PLAUBEL



VERI-WIDE 100L

Wide-angle 100-degree coverage; 2¼x3½-in. pictures on 120 roll film; scale-focusing 47-mm Schneider Super-Angulon f/8 lens; closes down to f/32; minimum focusing distance, 2.5 ft.; zone-focusing system with two-click stops; eye-level wire-frame finder with parallax adjustment; three spirit levels; controls visible from above; between-lens shutter with 1 to 1/500 sec speeds, self-time MXV synchronization; knob wind with automatic stop, automatic-exposure counter; double-exposure prevention. Price, \$305; case, \$15. Accessories include special Leitz optical finder with bright frame, \$69.

DIST., Burrell Brooks Inc.

BURKE & JAMES

B & J WIDE-ANGLE ORBITAR 4x5 view; 65-mm Super Angulon f/8 lens in 360-degree revolving back; Compur MX shutter; micrometer focusing mount; front board raises and lowers; Price, \$399.50 in fitted case; with Graflex back, \$499.50 in fitted fiber case.

MFR., Burke & James, Inc.

HASSELBLAD



SUPER WIDE C

Roll film, size 120; 12 exposures, 2¼x2¼; 90-degree-wide-angle 38-mm f/4.5 Zeiss Bioton lens; automatic depth-of-field scales; interchangeable magazines could be used on Hasselblad 500C or F 1000, built-in synchronization for all types of lamps; double exposure preven-

tion; body and cable release; film speed indicator; Synchro Compur MX shutter from 1 to 1/500 sec. 8; fast-winding crank; spirit level. Price, with magazine, \$650; reflecting viewfinder, \$57.75. Accessories include roll-film magazine 16 and 16 S sheet film adapter, cases, groundglass back, filters.

DIST., Paillard, Inc.

HOLLYCAM

EAGLE

Aerial roll-film electric camera; film size, 9½ in.x200 ft; frame size, 9x9; 6-in. Metrogon lens, openings, f/6.3 to f/22; between-lens shutter, speeds, 1/50 to 1/300, conventional settings; combined film/shutter wind; lever-wind film transport, automatic stop; double-exposure prevention; automatic exposure counter; body release. Price, \$395. Camera mount, filters, heaters, and viewfinders available.

FALCON

Aerial high-speed sequence; film size, 5¼-in. x 20 ft; frame size, 4x5; 161-mm Kodak Anastigmat lens, openings, f/4.5 to f/22, fixed-focus; eye-level viewfinder; speeds, 1/125 to 1/500 sec, conventional settings; lever film/shutter wind; automatic stop; double-exposure prevention; automatic exposure counter; body release; optical viewfinder. Price, manual, \$89.50, electric, \$99.50, includes carrying case and yellow filter.

HAWK

Aerial camera; takes roll or sheet film, 7 in. x 125 ft; frame size 5x7; 8¼-in. Bausch & Lomb Aitmar f/4 lens, openings to f/22, or 20-in. Wollensak telephoto f/5.6 lens, openings to f/45; fixed focusing; eye-level viewfinder; between-lens shutter, speeds, 1/75 to 1/225 sec, conventional settings; combined film/shutter wind; lever or electric wind film transport, automatic stop; double-exposure prevention; automatic exposure counter; body release; optical viewfinder. Price, including 2 roll-film magazines, 1 5x7 sheet-film magazine, cables, intervalometer, set of spools, and carrying trunk, with Aitmar lens, \$299.50. Camera mount, filters, heaters, viewfinders available.

DIST., Hollywood Camera Co.

LINHOF

AERO-TECHNIKA 4x5

Aerial camera, 4x5 size; eye-level finder; automatic fixed-focus 180-mm Schneider Symmar f/5.6 lens in Synchro Compur Rapid shutter on interchangeable lens board; revolving back; release built into Anatomical Handgrip. Price, including f/5.6 lens in Synchro Compur Rapid shutter, handgrip, shoulder strap, \$842; compartment case, \$155. Also available with other lenses from

SPECIAL CAMERAS

continued



75 to 270-mm, up to \$1,487; optional roll-film back.
DIST., Kling Photo Corp.

PANORAM

120 MARK II

Wide-angle panoramic; uses roll film, size 120; 4 2/4x7-in. exposures per roll; f/4 lens in focusing mount; shutter speed 1/100 sec, X synchronization; aluminum body; standard tripod socket; detachable groundglass back. Price, including two magazines, \$199.50; case, \$27.

MARK III

Uses 120 roll film; four exposures, 2 1/4x7-in. per roll; 4 3/4-in. f/6.8 Goerz Wide Angle Dagor lens in Compur M-X Synchro shutter, 1-1/400 sec speeds; aluminum body; detachable groundglass back. Price, with two magazines, \$289.50; case, \$27.

MFR., Burke & James, Inc.

QUAD



ID 32-40. 32-100 SERIES

Identification camera; takes 3 1/4x4 1/4 film, frame size: 1 7/16x1 1/8-in.; takes four identical, simultaneous pictures; f/6.3 lens with openings to f/22, minimum focusing distance: 28 in.; fixed focus; eye-level viewfinder with bright frame, automatic parallax correction; behind-lens shutter, speeds: 1/2 to 1/50 sec, self-cocking, MX synchronization. Price,

\$495 to \$600, six models. Accessories available: heavy-duty and portable tripods, floodlights, electronic flash, data-processing supplies, rotary lens mask for making one or two images a shot instead of four, and Duomatic attachment, enabling operator to make 1 or 2 complete ID cards or badges by inserting IBM card with 10 lines of data into attachment.

MFR., Avant, Inc.

SILVER STAR

16-mm; takes 16-mm magazine film, 12 1/2-mm f/1.9 lens, openings to f/22; minimum focusing distance, 8 in., interchangeable; Type C lens mount; scale focusing; eye-level viewfinder; behind-lens shutter, speed: 1/72 sec; automatic spring motor transports film; designed primarily as fast-sequence-shooting camera for individual pictures, but will also operate as movie camera with 8, 16, 24 and 64 fps; 10-ft film magazine yields 400 pictures at a cost of about 1 cent each, incl. processing. Price, \$225. Telephoto lens available.

MFR., U.S. Projector & Electronics Corp.

SOLAR

Laboratory camera; takes 2 1/4x3 1/4 or 4x5 sheet film or pack; 5 1/4-in. f/4.5 anastigmat lens with openings to f/22, interchangeable board mount; self-cocking shutter with speeds from 1 to 1/150 sec and T & B; vertical, tilts to horizontal; 36-in. support; removable for mounting on tripod; rack-and-pinion focusing. Price, 4x5 camera, \$159.50; with lens, three film holders and lights, \$209.50 and up; 2 1/4x3 1/4 model, \$104.50; with lens, film holders, and lights, \$184.50 and up. Accessories available include incandescent lights, \$29.50; fluorescent lights, \$69.50; copy light, microscope adapter, Polaroid back.

MFR., Burke & James, Inc.

STARMASTER



PHOTO-TELESCOPE

Box-type, combined with telescope for astral photography; takes 127

film, giving 12 1 1/2x1 1/4 exposures; fixed focus; single shutter speed; eye-level viewfinder; behind-lens shutter; kit includes 3-in.-diameter 18-in.-focal length reflecting optics, tripod; equivalent of 1,800-mm f/24 lens when combined with 50-mm focal-length camera lens; high- and low-powered eyepieces; instructions included. Price, \$30.

DIST., A. T. Brown.

TORPEDO F46



WIDEANGLE

Takes 120 film, four exposures, 2 1/4x7 size; wide-angle 5-in. lens with f/4.5 to f/11 openings, fixed-focus; louvre shutter, 1/50-sec speed. Price, including magazine, \$79.50.

DIST., Walter N. Baer

WINKLER-AIRCAMERA



Box-type aerial; takes 4x5 sheet film: 135-mm Schneider-Symmar f/5.6 lens, focusing to 3 ft, interchangeable with cone; fixed focusing; eye-level viewfinder; between-lens shutter, speeds: 1 to 1/500 sec, X setting; accepts Polaroid film back. Price, \$390, including lens cone, Graphic Universal back, form grip. Accessories available: 135-mm Schneider Xenotar f/3.5, 150-mm Schneider Symmar f/5.6, 180-mm Schneider Symmar f/5.6, 210-mm Schneider Symmar f/5.6, 270-mm Rodenstock Rotelar f/5.6 lens; helical focusing mount; machined forged aluminum body; second form handle; sportsfinder; Polaroid sheet-film attachment.

MFR., Winkler Airphotography

WILLIAMSON

F24

Aerial camera; takes 5 1/2-in. film roll for 5x5 frame size; supplied with 8-in. f/2.9 or 5-in. f/4 lens; fixed focus. Price, \$69.50, including magazine.

DIST., Walter N. Baer

ELECTRONIC FLASH

Which one is best for you?

When it comes to picking out an electronic flash unit, the average photographer is likely to be both amazed and confused by the wide variety of equipment on the market today. A brief glance at the directory following should convince anyone that we are suffering an embarrassment of riches in trying to select one of the many units that makes life so much easier for the photographer.

Most of us are familiar with the virtues of electronic flash. It means sufficient light to make a picture at any time of the day or night. Some give action-stopping power that will freeze the fastest of motion. It insures depth of field when the available light isn't sufficient to allow a small aperture to be used. The short flash duration also helps to minimize blur from camera movement and equipment vibration. All these things contribute to greater sharpness in a picture, especially when they make it possible for you to use one of the slower, finer-grained films.

SHORT FLASH STOPS ALMOST ANY ACTION

But electronic flash also has significant advantages over ordinary flashbulbs. First is its extraordinary high speed, ranging from a minimum of 1/800 second to some commonly used units that go as high as 1/10,000 second. Almost any degree of motion-stopping is within reach, and some experimental units fire at fantastically high speeds.

Convenience and economy are another plus for the electronic flash. With no bulbs to change or carry, the photographer can work freely and quickly. The cost per flash is naturally much lower over the lifetime of the unit than it would be for bulbs. And even considering the higher initial cost and additional weight and bulk (which is constantly becoming less), electronic flash comes off very well in comparison.

OFFERS SOFTER GRADATION, DAYLIGHT COLOR BALANCE

The quality of the light is another benefit. It is softer and cooler than regular flash and avoids the starkness and chalky highlights associated with bulbs. It also has essentially the same color temperature as daylight, so that it can generally be used with daylight color film with little or no correction. Moreover, this light source is constant both in power and color quality, so that results can be duplicated. And since it is of such short duration, it appears to the subjects to be much less bright than it is and they are seldom disturbed by it.

You can use electronic flash with your camera if it has an X setting on the flash synchronization dial. Most cameras in the moderate-price range and above have this feature, and even some of the lower-priced models now boast it. Which of the many available units you should buy will depend upon what factor or factors are most important to you and your use of electronic flash: low initial cost, portability, light output, recycling time, or versatility.

One of the best approaches in weighing these factors is to consider the power source

of the different units. Some units operate on a.c., found in almost all households. This means that the unit can be compact and inexpensive to operate, since no battery is needed. However, it can be used only within an extension cord's length of an electrical outlet. And some photographers have found it frustrating in the extreme to search throughout an unfamiliar building to find an outlet.

STORAGE BATTERIES FOR MOBILITY AT MODEST COST

Wet cells, which are rechargeable storage batteries, are a heavier and bulkier source of power and are often very tiring to tote around. Obviously, they tend to limit a photographer's mobility and lend themselves more to studio-type shooting than to photojournalism, or even candids. They do offer a powerful supply of current and long life if properly recharged and maintained.

By far the most popular among amateurs are the dry-cell-powered units, available in extremely lightweight and portable units as well as in the larger, more powerful sizes. The cost of replacing the dry-cell batteries is a factor here, but this is hardly prohibitive. The new long-life alkaline energizer dry cells make their use more economical and practical than previously. For heavy users, rechargeable nickel-cadmium batteries promise still greater economy, at a somewhat higher initial cost. Some units come with such batteries as standard equipment.

The lower-priced battery units give a flash of about 1/300-second duration and a light output sufficient for taking pictures indoors at normal distances. Combined with the higher-speed color films, they can be highly versatile.

For even more flexibility, and at slightly higher cost, there are the units that operate either on a.c. or dry-cell power. Still more versatile are lights that can be powered by a.c., dry cells, or nickel-cadmium batteries. These, too, are portable and adapt quickly to whatever picture-taking situation is presented.

HOW TO JUDGE LIGHT OUTPUT

Light output is best described in beam-candle-power-seconds. Unfortunately, this information is not readily available for every unit, so that it is not always possible to compare the power of one light with that of another. Certainly the watt-second rating is no index, since electrical energy output is not necessarily related to light output. In the absence of the necessary data, the photographer has to find out for himself whether a certain light is powerful enough for his needs: actual usage is the best test.

Now let's consider some hypothetical types of photographers and see which kinds of electronic flash might be best for each.

First, there is the photographer who owns a relatively simple and inexpensive camera. He shoots only a few rolls of film a year, chiefly in black-and-white, and rarely needs flash. His needs could be satisfied with a simple flashgun and some small flashbulbs. The relatively high cost of an electronic flash unit might be more than he paid for his camera. And since he uses flash so seldom, the unit could hardly pay for itself.

But then suppose our Mr. Average Amateur takes a lot of pictures each year, likes to have flash for those indoor shots and outdoors for synchro-sun work. He can buy a simple dry-cell portable unit for a moderate price; if the battery is rechargeable, his cost per flash could run as low as 1/10 of a cent. He would never have to buy or carry bulbs and could use his daylight-type color film either indoors or outside.

For the photographer who likes to let his camera earn him additional spending money, the electronic flash becomes a must. Many of these advanced workers like to shoot weddings, baby pictures, and portraits, so their flash needs are similar to those of working professionals. This means that they need a powerful flash (probably 90 to 200 watt-seconds of power) that can recycle quickly and give a hundred or more shots per battery (or charge).

In one night's shooting, the large-capacity batteries could save such a photographer about \$10 in flashbulbs while at the same time spare him from toting a case of flashbulbs to the job. He might even have a slave unit or two to give him more effective and interesting lighting, and here electronic flash would be a must. No one would be stepping on or disconnecting light cords and the little units could be placed anywhere they were needed.

Still another type of photographer who utilizes electronic flash is the photojournalist who must get the picture regardless of the lighting conditions. He too needs a flash that recycles quickly and delivers a larger number of flashes per battery. And since he often wants to simulate an available-light look, he has to have a unit that is sufficiently powerful so that the light can be bounced. Extra-high output is particularly important for bouncelight with the lower-speed color films in dim-light situations.

Unfortunately, units that do all these things will tend to be large and bulky, and thus the photojournalist would lose the mobility and speed of operation which he must have. Therefore, he turns to the more expensive, custom-made units that deliver the power, fast recycling time, and great number of flashes in the least amount of space and weight possible. He is paying a premium price for that extra quality, but he can justify that extra cost because the unit is helping him earn his livelihood.

PENALTIES OF MINIATURIZATION

The miniature camera has been refined and sophisticated so that it can in many areas do the work of the larger brethren. But the miniature flash units have not yet progressed that far. They tend to be a compromise; remember that the same design features that allow a small size unit to be made also limit its performance. For example, the small, sealed enclosure limits the heat dissipation of the flash lamp, and thus requires a long "cooling-off" time between flashes. The small flashtube and reflector give a narrow beam angle of light, increasing the chances for hot spots and non-uniform lighting. Yet, the wide-angle lens on the miniature camera calls for a wide and uniform beam of light.

And take those small batteries and the lightweight circuit components in the miniature flash units. They require a long recharge time, and so recycling is slowed. Finally, the over-all smallness of the units show up in their low-output beam intensity. With the midget, one-piece units, the light output is barely adequate when used with the slower color films. As can be seen, the photographer pays a price when he wants miniaturization.

It should be obvious by now that you cannot have everything in one unit: small size, great power, rapid recycling time, and a great number of flashes per charge or battery. You have to decide which of these is most important for the type of work you are planning to do. Then you can search intelligently for the unit that comes closest to meeting your needs at the price you want to pay.

FLASH EQUIPMENT

ELECTRONIC

ACCURA

ACCULITE JR.

Portable; flash head only; weighs 10 oz; 110-volt a.c. power supply; maximum energy input, 30 watt-seconds; operates at 110 volts; Kodachrome guide number, 30; color temperature, 5800 K; flash duration, 1/1,000 sec; interval between flashes, 2 sec. Price, including a.c. cord, \$19.95; bracket available.

MFR., Accura, Ltd.

AGFATRON



Portable; weighs 9 oz; a.c. power supply; Agfachrome guide number, 45; color temperature, 5500 K (day-light); flash duration, 1/1,000 sec; interval between flashes, 2-3 sec; light angle of 65 degrees is covered for wide-angle use. Price, \$29.95, including case and 20-ft cord.

MFR., Agfa, Inc.

AMGLO



MODEL D-100

Portable unit, weighs 8 lb; two spill-proof, interchangeable storage batteries; instant triggering for 0 delay shutters; built-in adjustable time delay for others; usable with focal-plane shutters; uses 1 or 2 low-voltage Amglo 56J2Z flashtubes; more than 10,000 flashes per tube; color temperature, 6500 K; 100 watt-seconds of power; interval between flashes 5 sec; flash duration, 1/1250, 1/2500; plastic case. Price with carrying strap and battery, camera light and flashtube, shutter cord, choice of camera bracket, flashgun mount or lampstand fitting, \$210. T-120-LD extension lights with tubes, \$44 each; accessories include battery charger; shutter cords; lamp extension cables; flashgun and lamp stand mounts; plastic diffusers; camera brackets.

CHAMPION 60 A LAMPHEAD

Portable, weighs 28 oz; operates from a.c. line or choice of three dry battery packs; input 60-120 watt-sec; takes up to 4 lamps; for use with X shutters, can be used with focal-plane shutters; Amglo HD-2 flashtube; 75,000 flashes per tube; color temp, 6500 K; flash duration 1/800 sec; interval between flashes 4 sec, with power doubler 8 sec; Alzak step reflector; tilting lamphead; indicator light; Ektachrome guide number of 55-60 without power doubler, increases with extra lights. Price, incl. lamphead, power cord, and shutter cord, \$72.95. Battery Pack 60-D-2 with built-in power doubler, provisions for two lights, batteries for up to 3,000 flashes, \$59.95; 60-D-1, for up to 500 flashes, \$39.95; 60-B, for up to 1,000 flashes, \$42.95. Accessories incl. shutter extension cords, multiple lamp connectors; brackets for all cameras; interchangeable shutter-cord tips, flashgun mounts, diffusers, and batteries.



D-200

Portable, 200 watt-second, low-voltage unit, weighs 10 lb; interchangeable, spill-proof batteries; instant triggering for X shutters; built-in time delay for others; uses 1, 2 or 3 Amglo 56J2Z flashtubes; more than 10,000 flashes per tube; 6500 K color temperature; usable at half power; interval between flashes, 5 sec and 10 sec; flash duration 1/650, 1/1300, 1/2500 sec; charge indicating light; plastic case. Price, with carrying strap and battery camera light and flashtube, shutter cord, choice of camera bracket, flashgun mount, or lampstand fitting, \$249.95. T-120-LD extension lights with tubes, \$44 each; accessories include battery charger; lamp extension cables; shutter cords; camera brackets; flashgun and lamp stand mounts; plastic diffusers.

DAC 135-3

Portable unit, weighs 13 lb; spill-proof, interchangeable storage batteries and a.c. operation; instant triggering for X or O delay shutters; built-in time delay of 3 to 20 milliseconds for others and solenoids; uses 1, 2, or 3 Amglo 78R9D trigger-type flashtubes at 6500 K, more than 10,000 flashes per tube; oil capacitors provide power of 135 watt-second; flash duration: 1/4000; 1/8000; 1/12,000 sec; charge indicating light; plastic case. Price, with same equipment as D-200, \$242.95. T-135-LD extension lights with tubes, \$42.95 each; accessories include battery charger; lamp extension cables; camera brackets; shutter cords; plastic diffusers; lamp stand and flashgun fittings.

DAC-380-4

Portable or studio use, weighs 9 lb; a.c. or interchangeable battery operation; uses 1 to 4 lights; max. energy input 200 watt-sec; each extension light adds 60 watt-sec to total of 380; Amglo H-D-3 reflective base flashtube; color temp. 6500 K; flash duration 1/650 sec; 6 3/4-in. step reflector; half-power switch. Price, incl. batteries, a-c cord, camera light, shutter cord, choice of camera bracket, flashgun mount, or lamp-stand fitting, and carrying strap, \$269.95. Available accessories are E-380 extension light, \$69.95 and H-255 battery charger, \$12.95.

MFR., Amglo Corp.

ARGRAPH



Portable one-piece unit; a.c. operated; maximum energy input, 40 watt-seconds; operates at 300 volts; color temperature, 6000 K; 1/1,000-sec flash duration; interval between flashes, 3-5 sec; 70-degree beam angle. Price, with a.c. cord, \$19.95.

IMP., Argraph Corp.

ASCORLIGHT

A305

Studio semi-portable unit consisting of A8305 four-channel power supply with choice of four lights of 100 watt-seconds, two of 200 watt-seconds, or three of 200 and 100 watt-seconds by flick of a switch; interval between flashes, 6 sec. Price, including four each of AL308 light units and one A8305 power supply, \$625.

A306

Similar to A305 but double the watt-second capacity. Price, including one A8306 power supply, two AL316 light units, one AL308 light unit, and one AL328 spotlight, \$795.



MEGALUME A3408A

Portable; separate flash head and power pack; weight: flash head, 15 oz, power pack, without batteries, 8 lb, 4 oz; a.c. and 6-volt wet battery power,

supply; maximum energy input, 200 watt-seconds; operates at 115 volts; maximum light output, 7500 BCPS; beam angle (to 50 percent fall-off), 50 degrees; maximum number of flash tubes handled by power pack, two (more with adapter); provision for half-power output, quarter-power, and one-eighth power; flash tube used, GE FT217 or Kemlite DE426; color temperature, daylight; flash duration, 1/1,700 sec; interval between flashes, 5 sec; standby capacity up to 48 hours. Price, \$274.

A425A SCHOOL COLOR ASSEMBLY

Semi-portable; consists of four light heads and power supply; a.c. operation; maximum energy input, 300 watt-seconds on four lights (100-, 100-, 50-, 50-ws); operates at 900 volts; maximum light output, 3,750 BCPS; beam angle (main light), 55 degrees; Ektachrome Type S guide number, 60; color temperature, 6500 K; interval between flashes, 3 sec; automatic voltage stabilization. Price, including carrying case and stands, \$550.

A423A

Portable unit, transistor powered; comes with 200-watt-second power supply with quarter-power switch; weight, 8 1/2 lb; recharge time at high power, 10 to 17 sec, depending on power supply; 7,000 BCPS at high, 1,750 BCPS at low power; flash duration, one light unit, 1/1,700 sec at high, 1/2,500 at low power; two-light unit, 1/2,500 at high, 1/6,500 at low power. Price, \$330, including battery, and a.c. adapter and charger. Accessories same as A422A.

A614B

Studio-semi-portable unit; weight 19 lb; maximum input 800 watt-seconds; half and full power switch; recycles to full power in 3 seconds, half power in 2 seconds; automatic voltage stabilization. Price, \$690, including power supply and AL634 light assembly.

A616B

Studio-type unit; operates on a.c. only; weight, 19 lb; maximum input, 800 watt-seconds; maximum light output, 30,000 BCPS at 55 degrees; Kodachrome guide, 130; half-power switch; flash duration, 1/300 sec on full power, 1/600 sec on half-power; recycle time, 3 sec on full power, 2 sec on half power; automatic voltage stabilization; caster base studio stand. Price, \$690.

A620A

Studio-type unit; operates on a.c. only; weight, 56 lb; maximum input, 2400 watt-seconds; maximum light output, 70,000 BCPS at 55 degrees; Kodachrome guide, 220; flash duration, 1/150 sec; recycle time, 10 sec; outlets for four flashtubes. Price, \$1,075.

MFR., American Speedlight Corp.

ASCOR-STARLITER

100

Self-contained studio unit; 100-watt-second power pack mounted behind reflector; weighs 5 lb; a.c. only; oper-

ates at 450 volts; 3-power selector switch; DW6-1 flashtube; 100,000 flashes per tube; 1/1000-sec flash duration; interval between flashes 5 sec; daylight color temp; internal modeling light; 16-in. reflector. Price, \$219; 6-in. highlight unit with barndoors, \$241; 7-in. backlight unit, \$210.

GOLDEN 200

Self-contained studio unit; 200 watt-second power pack mounted behind reflector; 1/8, 1/4, 1/2 and full power switch; weighs 5 lb, 11 oz; 450-volt operation; DW6-1 flashtube, 1/500-sec flash duration; 5-sec interval between flashes; internal modeling light. Available in 12-, 16-, and 20-in. reflector units, 6-in. highlight unit with barndoors and backlight unit; prices on request.

GOLDEN 400

Studio unit; maximum energy input, 400 watt-seconds; built-in automatic voltage stabilization, 2%; 1/16, 1/8, 1/4, 1/2 and full power selector switch; operates at 450 volts; for use with X-synchronized shutters; DW6-1 flashtube; 1/250-sec flash duration; interval between flashes, 12 sec on high, 1 sec on low. Complete modeling unit weighs 25 lb. Air-cushion chrome steel caster base stand. Available as 12-in. modeling light unit with stand and barndoors, 6 1/4-in. highlight unit with stand, boom, and barndoors, and 7-in. backlight unit with short stand. Prices on request.



PRODUCER 1000

Portable studio unit; a.c. operation; operates at 45 volts; 1/2- and 1/4-power switch; five lamp outlets; voltage stabilized for 1/2 of 1-percent; 6500 K color temperature; 1/100- to 1/1,000-sec flash duration; internal modeling lights; choice of variable beam floods, backlight, and spotlight. Price, for typical five lamp set of two 12-in. flood reflectors, two spot or highlight units, and one 7-in. backlight with 1,000-watt-second power pack and reflector carrying case, \$1,123.

MFR., American Speedlight Corp.

BALCAR

MODEL T-1005

Semi-portable studio unit; 110-220 volts, a.c.; maximum output, 1200 watt-seconds at 650 volts; 45,000 BCPS; half- and quarter-power switch; color temperature, 5800 K; flash duration with one lamp, 1/1000 sec; recycling time, 2.8 sec, full power; built-in voltage stabilizer to maintain output; slow charge switch for battery-pack and low-fused a.c. circuit operation; built-in photoeye; 4 modeling lights; 60- and 110-degree reflectors plus attached 10-ft light-stand and bounce-light umbrella included in price, \$725. Available accessories include extension flash heads, 4,800-watt-second flash heads, extension cables, gasoline-powered generator for on-location use.

DIST., Thomas Instrument Co., Inc.

BRAUN-HOBBY



EF-3

Portable; weighs 5 lb; ac and Barix storage battery operation; maximum input, 135 watt-seconds; all ac voltages from 110 to 250; color temperature, 5600 K; 1/1000 sec flash duration; recycle time, 9 sec; transistor monitor circuit; push-button keyboard for half-power, charging, ac battery operation; coil cord to flash head; variable angle reflector. Price, \$124. Extension flash head available.

MODEL EF-3 N. C.

Portable; unit consists of separate flash head and power pack; 480-volt a.c. and nickel-cadmium battery operation; maximum energy input, 135 watt-seconds; Kodachrome II guide number, 96; power pack can handle up to four flashtubes; provision for half-power output; 5600 K color temperature; 1/1,000-sec flash duration; 9-sec interval between flashes; rechargeable flash head adjustable for 45- or 64-degree coverage. Price, including battery, line cord, camera bracket, \$156; accessory multiple flash head, \$30.



F-21

One-piece portable unit; weighs 14 oz; a.c. or 5.5-volt nickel-cadmium battery operation; 26-watt-second maximum energy input; 60x80-degree beam angle; Kodachrome II guide number, 40; 5600 K color temperature; 1/1,200-sec flash duration; 8-sec interval between flashes. Price, \$69.50.

continued on next page

ELECTRONIC FLASH

continued



F-25

Portable; weight: flash head, 13.3 oz; 115- and 220-volt a.c. and nickel-cadmium battery, also combination a.c. and battery power supply; maximum energy input, approximately 30 watt-seconds; Kodachrome II guide number, approximately 40; color temperature, daylight; interval between flashes, 5 sec on a.c. and battery, 8 sec on battery, 20 sec on a.c. Price, \$84, including recharger, a.c. cord.



F-65

Two-piece portable unit; weighs 3 1/4 oz; a.c. or 4.5-volt nickel-cadmium battery operation; 45-watt-second maximum energy input; 65-degree beam angle; Kodachrome II guide number, 61; 5600 K color temperature; 1/1,000-sec flash duration; 9-sec interval between flashes. Price, \$92.

F-80

Two-piece portable unit; weighs 5 lb, 4 oz with batteries; power supply: a.c., 7.7-volt wet batteries, 7.3-volt nickel-cadmium batteries; 160-watt-second maximum energy input; 80-degree angle; Kodachrome II guide number, 104; provision for half-power output; 5600 K color temperature; 1/1,000-sec flash duration; 6-sec interval between flashes. Prices start at \$164.

DIST., E. Leitz, Inc.

EXAKTA

Portable; unit consists of separate flash head and power pack; total weight, 2 1/4 lbs. without batteries; dry or wet battery operation; Kodachrome II guide number, 55; color temperature, 5500 K; 1/1,000-sec flash duration; 4-5-sec interval between flashes. Price, \$56.50, including battery, recharger, leather case, strap; accessory ring light, \$39.50.

DIST., Exakta Camera Co.

GRAFLEX

STROBOFLASH I

Thin, lightweight power pack with lamphead; power pack interchangeable with other lampheads; weighs 3 lb, 2 oz; maximum input, 50 watt-

seconds; 1200 ECPS; operates at 480 volts. Price, \$99.95, including batteries.

STROBOFLASH II

Similar to Stroboflash IV (below) but has no power dividing switch; weighs 7 1/2 lb; max. input 100 watt-sec; 2,300 ECPS output; operates at 450 volts. Price, \$99.50.



STROBOFLASH IV

Similar to Stroboflash II but weighs 9 1/2 lb; 4-way switch provides full-range intensity control with max. input settings of 50, 100, 150, and 200 watt-sec; 44 ECPS output; used with dry batteries. 450-volt operation. Price, \$165.95.

MFR., Graflex, Inc.

HASSELBLAD



RINGLIGHT 8155

Ringlight operating with any type of power pack up to 250-watt-seconds; made for Hasselblad 500C lenses from 80- to 250-mm focal length; 5600 K color temperature. Price, \$170. Cords for connecting unit to power packs available.

DIST., Paillard Inc.

HELIOTRON



CC SPECIAL

Portable; power supply: a.c. and nickel-cadmium battery, also Eveready E-91 battery; Kodachrome II guide number, 35-40; features slip-on type 85 CC filter, flash dial, built-in flash cord. Price, under \$40, including

mounting bracket. Rechargeable nickel-cadmium and Eveready E-91 batteries available.

CC SUPRA

Portable; a.c. and nickel-cadmium battery power supply; Kodachrome II guide number, 40-50; flash duration, 1/1,000 sec; features slip-on type 85 CC filter, built-in flash cord, flash dial, built-in charge tester. Price, under \$80, including nickel-cadmium battery and checker, mounting bracket.

DIST., Kiling Photo Corp.

HERSHEY



PRO-LITE 750

Portable studio unit; self-contained; weighs 4 lb; a.c. operated; maximum energy input, 75 watt-seconds; built-in modeling light, photo tripper; rotates 360 degrees; for slave operation; outlet for Sun-Ring auxiliary flash. Price, \$79.95. Portable power supply giving 50 flashes without recharge, built-in recharger, recycles in 25 sec, \$59.95; battery, \$26.10.

PRO-LITE 1500

Studio portable unit; self-contained; weighs 6 1/4 lb; 110-volt a.c. power supply; maximum energy input, 150 watt-seconds; provision for half-power output; built-in modeling light, photo tripper; rotates 360 degrees; for slave operation; outlet for Sun-Ring auxiliary flash. Price, \$129.95. Portable power supply giving 50 flashes without recharge, built-in recharger, recycles in 25 sec, \$59.95; battery, \$26.10.

PRO-LITE 2000

Portable studio unit; self-contained; weighs 4 lb; 50-watt-second light output; a.c. operation; 55-degree angle of coverage; color temperature, 6400 K; recycling time, 5 sec full power, 3 sec half power; flash duration, 1/750 sec full power, 1/1,500 half power; ready light; standard shutter cord is photo tripped for slave operation; modeling light; Sun Ring outlet. Price, \$54.95.



SUNLITE IV

Weight, flash head, 11 oz, power supply, less batteries, 4 lb; operates on a.c., nickel-cadmium C and D cells, and photoflash D cells; 4000 BCPS (full power); Kodachrome II guide

number, 80; flash duration: full power, 1/700 sec, three-fourth power, 1/800 sec, half-power, 1/1,000 sec, one-fourth power, 1/1,800 sec. Price, \$109.95 complete.



SUNLITE 700

Weight, flash head, 11 oz, power supply, less batteries, 3 1/2 lb; operates on a.c., nickel-cadmium C cells, photoflash C cells; 2000 BCPS (full power); Kodachrome II guide number, 56; flash duration: full power, 1/1,000 sec, half-power, 1/1,800 sec. Price, \$89.95 complete.



SUN-RING

Portable unit, consisting of separate flash head and power pack; provides around-the-lens flash, fits all single-lens reflex, press, view, and Polaroid Land cameras; weighs 5 oz; a.c. operation; beam angle, 67 degrees; Kodachrome guide number, 35-40; xenon tube gives 50,000 flashes at 50 watt-seconds. Price, \$39.95. Model 200-A power supply offers 200-, 100-, and 50-watt-second operation with push-buttons, recycles in 5-12 sec, 110-volt 60-cycle a.c. operation. Price, \$109.95. Model 100-B power supply offers 100-, 50-, and 25-watt-second operation with push-buttons, recycles in 6-15 sec, uses 510-volt No. 497 battery. Price, less battery, \$59.95. MFR., Hershey Electronics Inc.

HICO-LITE



MODEL K

Portable; a.c. and battery operation; 200-watt-second; light output 7000 BCPS at 50 degrees; 1/4, 1/2, 3/4 and full-power operation; Kodachrome II guide no., 100; Ektachrome S guide no., 180; transistor monitor circuit provides constant light output; 6-volt nickel-cadmium battery provides 130 full-power shots per charge; charge

indicator shows when regulated light output is reached; locking-type outlets for two heads; weight, 8 lb, 14 oz. Price, \$199.50*, with battery.



MODEL L

Portable; a.c. and battery operation; 115 watt-seconds; light output, 4,000 BCPS at 50 degrees; half and full-power operation; Ektachrome S guide number, 145; Kodachrome II guide number, 80; transistor monitor for light output; 6-volt nickel-cadmium battery provides 120 full-power shots per charge; charge indicator shows when regulated light output is reached; locking-type outlets for two heads. Weight, 6 lb. Price, \$168* with battery.

3-LAMP PORTABLE PORTRAIT

Unit consists of 3 lamp heads, one with coiled cord and redi-light for candid work with power pack; 3 modeling lights; 2 tilt-top stand; 1 tilt-top boom stand; 2 6 ft and 1 10 ft extension cords for lamp heads; 1 power extension cord; fitted carrying case; 3 outlet power pack; Model K with a.c. operation and charger completely built-in; nickel-cadmium battery. Price, with Model K power pack, \$368*. with Model L power pack, \$336.

*Prices, direct from manufacturer; MFR., Hico Corp.

HONEYWELL

STROBONAR 51A

Portable; one-piece unit; weight: 2 lb, 6 oz; maximum energy input, 30 watt-seconds; operates at 110-130-volt a.c.; maximum light output, 440 BCPS; beam angle, 60 degrees; Kodachrome II guide number, 42; color temperature, 5600 K; flash duration, 1/500 sec; interval between flashes, 12 sec; has built-in incandescent modeling lamp with same light pattern as flashtube. Price, \$49.95; handle for light-stand, \$3.95; light-stand adapter, \$1.65.



52-A MODELING SLAVE STROBONAR

Portable; one-piece unit; weight: 3 lb, 1 oz; maximum energy input, 80 watt-seconds; operates at 110-130 volts, a.c.; maximum light output, 890 BCPS; beam angle, 60 degrees; Kodachrome II guide number, 60; color temperature, 5600 K; flash duration, 1/250 sec; interval between flashes, 14 sec. Price, \$69.95.

STROBONAR 60-S

Portable slave unit; self powered; operates on 240-volt battery; weight, including battery, 4 lb; maximum energy input, 40 watt-seconds; maximum light output, 1,200 ECPS; Kodachrome II guide number, 45; operates at 450 volts; covers 50-degree field; for use with X-synchronized shutters; 6000 K color temperature; directional tube shield; neon ready light. Phototube nests inside for carrying and packing. Price, less battery, \$79.50. Accessories include Eveready 491 battery, \$7.95; Hold-It, adjustable device for mounting unit on light-stand, \$3.95; light-stand adapter, \$1.65.

65-C

Portable one-piece unit; weighs 25 oz; operates on a.c., photoflash C cells, rechargeable nickel-cadmium batteries, or Energizer batteries; maximum energy input, 47 watt-seconds; operates at 470 volts; 2,100 BCPS; 55-degree beam angle; Kodachrome II guide number, 80; color temperature, 5800 K; 1/1,500-sec flash duration; 5-sec interval between flashes; built-in charger; color-corrected lens. Price, with a.c. cord, \$74.95.



STROBONAR 66-A

Portable; one-piece unit construction; weight: 16 oz with batteries, 13 oz without batteries; power supply: 105-129-volt a.c., 6-volt dry battery, 5.2-volt nickel-cadmium battery, maximum energy input, 30.3 watt-seconds; operates at 525 volts; maximum light output, 1120 BCPS; beam angle (to 50 percent fall-off), 55 degrees horizontal, 45 degrees vertical; Kodachrome II guide number, 50; one flash tube handled by power pack; color temperature, approximately 5400 K; flash duration, 1/1,500 sec; interval between flashes, 9-15 sec on alkaline battery, 4-11 sec on nickel-cadmium battery; dual reflectors; open flash button; snap-in, snap-out battery tray; direct dial exposure calculator. Price, \$59.95, including 10-ft a.c. cord. Accessories: battery charger, \$9.95; accessory lens kit, \$6.95; quick-release shoe mount handle, \$4.95; Permacad rechargeable batteries, \$3.25 each.



STROBONAR 91-B

Portable; a.c. and nickel-cadmium battery operation; maximum input 200 watt-sec; operates at 900 volts;

ELECTRONIC FLASH

continued

nominal output 6010 ECPS; for use with X shutters; 25,000 flashes per tube; transistor circuit with battery-saver cut-off feature; battery condition panel meter; handles up to three flashtubes; 1/2- and 1/4-power output; color temperature 6500 K; 1/1,000-sec flash duration; interval between flashes 6-8 sec; 4-in. reflector; uses six rechargeable nickel-cadmium or flash-light batteries; switch-selector dial. Price, \$329.50; with six Gould Industrial nickel-cadmium batteries; custom 5-in. lamphead which accepts Honeywell modelling light with barn doors, extra Hi-Lo switch; cords, extension cords, and mounting tubes available as accessories.

MODEL 55 FOTOEYE

Photoelectric tripping device to convert Strobosnars and most other flash units to "slave" units. Price, \$19.95. MFR., Honeywell Photographic Products.

LIGHTNING-LITE



MODEL AC-PC

Portable unit weighs 16 lbs.; for a-c operation only with mechanical synchronizers and shutters with built-in synchronization; flashtube has 10,000 or more flashes with color temperature correct for daylight-type color film without filter; 1/15,000 sec. flash duration with 7 sec. interval between flashes (1/30,000 sec. flash duration optional); 6 or 8-inch reflector; unit built in metal carrying case with shoulder strap; photo-cell or shutter triggering. Price, one-lamp model, \$195; 2-lamp model, \$265. Specially designed 10" and 14" reflectors available for these models. Complete Somatotype units available.

STUDIO MODEL

Studio units; a-c only; for use with X synchronization; max. input 135-350 watt-sec; operates at 2300 volts. 2 flashtubes can be connected to power supply; color temp 6500 K; 1/15,000- or 1/30,000-sec flash duration; interval between flashes, 12-15 sec; 6-, 8-, 10-, 14-in. reflectors. Price, with roller base stands (one with power supply lamp and one extension lamp), a-c cable, trigger cord, flash and modeling lamps, \$475; color studio model, \$550. Also available with U-type tubes. MFR., Lightning-Lite Co.

METZ

MECABLITZ 111

Portable; separate flash head and power pack; weight: flash head, 7 oz; power pack with batteries, 5 oz; 120-volt a.c. and 6-volt nickel-cadmium battery power supply; maximum energy input, 23 watt-seconds; operates at 120 volts; maximum light output, 700 BCPS; beam angle (to 50 percent fall-off), 65 degrees; Kodachrome II



guide number, 28-35; maximum number of flash tubes handled by power pack, one; color temperature, 5500 K; flash duration, 1/1,000 sec; interval between flashes, 9 sec; power pack attaches on top to form unit; ready-to-shoot signal. Price, \$29.95, including 12-ft charging unit. Accessories: power pack, \$29.95; camera bracket, \$3.

MECABLITZ 112

Portable; built-in power pack; weight, 11 oz with power pack; 120/220-volt a.c. and 2.4-volt nickel-cadmium battery power supply; maximum energy input, 23 watt-seconds; operates at 120 volts; maximum light output, 700 BCPS; beam angle (to 50 percent fall-off), 65 degrees; Kodachrome II guide number, 28-35; maximum number of flash tubes handled by power pack, one; color temperature, 5500 K; flash duration, 1/1,000 sec; interval between flashes, 9 sec; ready-to-shoot signal; hand flash release. Price, \$59.95, including charging unit, P.C. cord. Camera bracket, \$3; leather case, \$5.75.

MECABLITZ 115

Portable; built-in power pack; weight, 14 oz with power pack; 120/220-volt a.c. and 3.6-volt nickel-cadmium battery power supply; maximum energy input, 40 watt-seconds; operates at 120 volts; maximum light output, 1200 BCPS; beam angle (to 50 percent fall-off), 65 degrees; Kodachrome II guide number, 37-46; maximum number of flash tubes handled by power pack, one; color temperature, 5500 K; flash duration, 1/1,000 sec; interval between flashes, 9 sec; ready-to-shoot signal; hand flash release. Price, \$74.95, including charging unit, P.C. cord. Camera bracket, \$3; leather case, \$5.75.



MECABLITZ 502

Studio portable unit; consists of separate flash head and power pack; weight: flash head, 8 oz. power pack with batteries, 5 lb; 110/220-volt a.c., wet 6-volt battery, and nickel-cadmium battery power supply; maximum energy input, 120 watt-seconds; operates at 120 volts; maximum light output, 4000 BCPS; beam angle (to 50 percent fall-off), 65 degrees; Kodachrome II guide number, 79; maximum number of flash tubes handled by power pack, five; provision for half-power output; color temperature, 5500 K; flash duration (one-lamp operation), 1/1,000 sec; interval between

flashes, full-power, 5 sec, half-power, 3 sec; two signal lamps, one ready-to-shoot signal, other indicates full or half-power. Price, \$169.50, including charging unit, camera bracket. Mecatwin extension unit, \$49.95; a.c. unit, \$59.95.

DIST., Carl Zeiss Inc.

MINICAM



MI-SUN

Portable, two-piece unit, with power-pack grip which fits camera's tripod socket; a.c. or 270-volt dry-battery operation; Kodachrome II guide number, 35; color temperature, 6000 K; flash duration, 1/3,000 sec; interval between flashes, 6 sec. Price, with synch cord, power cord, a.c. adapter, laminated grip battery, \$32.50. DIST., Petri-Kine Camera Co.

MULTIBLITZ



MODEL 20

Portable; one-piece unit; weighs 14 oz; a-c or nickel cadmium battery operation; Kodachrome II guide number; Kodachrome guide 30; recycle time, 8 sec; flash duration, 1/600 sec; color temp, 5600 K; separate charger. Price, complete, \$79.95.



MODEL 22

One-piece portable unit; weighs 10 oz; a.c. or nickel-cadmium battery operation; 40-watt-second maximum

energy input; operates at 110 volts; 60-degree beam angle; Kodachrome 11 guide number, 50; 5600 K color temperature; 1/600-sec flash duration; 6-sec interval between flashes. Price, with nickel-cadmium battery and recharger, \$59.95; case, \$3.95.



MODEL 24

Portable; weight, 12½ oz; a.c. and nickel-cadmium battery power supply; maximum energy input, 50 watt-seconds; beam angle (to 50 percent fall-off), 65 degrees; ASA 50 guide number, 68; color temperature, 5600 K; flash duration (one-lamp operation), 1/900 sec; interval between flashes, 6 sec on a.c., 8 sec on nickel-cadmium battery; ready light, exposure dial, button for test or open flash. Price, with rechargeable nickel-cadmium battery, a.c. power cord, and recharger, \$69.95. Accessories: recharger, \$69.95; carrying case, \$4.50; camera bracket, \$3.50.

MODEL 50

Portable; unit consists of separate flash head and power pack; a.c. and nickel-cadmium battery power supply; maximum energy input, 60 watt-seconds; Kodachrome guide number, 76; maximum number of flash tubes handled by power pack, two; color temperature, 5600 K; flash duration (one-lamp operation), 1/800 sec; interval between flashes, 4 sec, full-power, 2 sec, half-power; accepts booster to double effective light output; 100-160 flashes; calculator on flash head; ready light. Price, \$129.50, including rechargeable nickel-cadmium battery, a.c. power cord, recharger for 110/220 volts. Accessories: carrying case, \$4.50; extension flash head with 13-ft cable, \$30; ringlight for close-ups, \$69.95; booster unit, \$39.95; slave unit, \$49.95; extra nickel-cadmium battery, \$19.95; camera bracket, \$3.50.



PRESS

Portable; weights 8 lb, 8 oz; ac, storage, 240-volt dry, or nickel-cadmium

battery power supply; maximum input with booster, 280 watt-seconds; half-power switch; quartz flashtube; color temperature, 5600 K; flash duration, 1/1000 sec; recycle time, 2-3 sec. Price, \$189.50; accessory ring lamp, \$69.95.



PRESS UNIVERSAL

Portable; unit consists of separate flash head and power pack; a.c., wet battery, dry battery, and nickel-cadmium battery power supply, also two 240-volt batteries; maximum energy input, 150 watt-seconds; Kodachrome 11 guide number, 114, on full power; maximum number of flash tubes handled by power pack, two; provision for half-power output; color temperature, 5600 K; flash duration (one-lamp operation), up to 1/900 sec; interval between flashes, 5 sec on full power, 3 sec on half power for a.c. and nickel-cadmium battery; accepts booster to double effective light output; 100-160 flashes; calculator on flash head; ready light. Price, \$239.50 and \$289.50. Accessories: extension flash head with 13-ft cable and camera bracket with rotating and tilting link head, \$59.95; focusing lamp, \$15; 8-volt wet cell, \$19.95; 7.2-volt nickel-cadmium battery, \$59.95; booster in case, \$79.95; ringlight, \$69.95; flash tube, \$36.50; a.c. charger, \$30; slave unit, \$49.95; 17-ft extension cable, \$15; 34-ft extension cable, \$20; mounting adapter for ringlight, \$6.95; focusing lamps for ringlight, per pair, \$29.95.

STUDIO V

Studio unit; 110-240-volt a.c. operation; guide number with E.I. 50 color film, 300-340; power pack can handle up to five flashtubes; provision for half-power output; color temperature, about 5800 K; flash duration, 1/600 sec at half-power, 1/400 at full; interval between flashes, 15 sec on full power, 8 sec on half power, both with five flashtubes. Price, with power pack, stand, a.c. cord, synchronizing cord, \$1,815. Available accessories include extension head, standard lamp house, diffusing reflector, photocell, remote control unit, three-caster stand.

DIST., Ekakta Camera Co.

PM

MINI-PAK

One-piece portable unit; weighs 15 oz, without batteries; a.c. and wet, dry, or rechargeable nickel-cadmium battery operation; 55-watt-second power output; operates at 110 volts; 65-degree beam coverage; Kodachrome 11 guide number, 45; 5800 K color temperature; 1/2,000-sec flash duration; 6-8-sec interval between



flashes. Price, with bracket, shutter cord, a.c. cord, \$44.50; nickel-cadmium battery charger, \$19.95.

S40

Portable unit; weighs 2 lb, 8 oz; a.c. power supply; 4-1½-volt dry battery; maximum energy input, 54 watt-seconds; Kodachrome guide no., 32; maximum number of flashtubes handled by power-pack, 150; color temperature, 6000 K; flash duration, 1/600 sec; interval between flashes, 8 sec; comes with cords, brackets, battery power pack, clip, strap, \$39.95; a.c. unit (no battery pack), \$24.95; power pack, \$15.

MFR., Kalimar, Inc.

RAINBOW



STANDARD

Portable; a.c. and penlight battery operation; Kodachrome guide number, 60; color temperature, 6000 K; flash duration, 1/2,000 sec; interval between flashes, 8-10 sec. Price, including a.c. cord, \$32.50.

DELUXE MODEL I

Portable; power supply: a.c., 6-volt nickel-cadmium battery, and four penlight batteries; Kodachrome guide number, 120 (ASA 100); color temperature, 6000 K; flash duration (one-lamp operation), 1/2,000 sec; interval between flashes, 6-10 sec; flash tube life: 50,000 flashes; light coverage angle, 65 degrees vertical, 80 degrees horizontal; battery life, 40 flashes per charge. Price, \$49.50, including shoe and a.c. cord.

DELUXE

Portable; a.c. and nickel-cadmium battery operation; Kodachrome guide number, 28; color temperature, 6000 K; flash duration, 1/3,000 sec; interval between flashes, 60-70 sec; monitor circuit. Price, including a.c. charger and cord, bracket, \$59.95.

continued on next page

ELECTRONIC FLASH

continued



JUNIOR

Portable one-piece unit; a.c. or 6-volt dry-battery operation; Kodachrome II guide number, 25; color temperature, 6000 K; interval between flashes, 8 sec; fits camera accessory shoe. Price, with a.c. cord, \$32.50.

DIST., Petri-Kline Camera Co.

REGULA



VARIANT-L

Portable; 2.6-volt nickel-cadmium battery power supply; maximum energy input, 25 watt-seconds; operates at 500 volts; beam angle (to 50 percent fall off), 60 degrees; Kodachrome II guide number, 30; maximum number of flash tubes handled by power pack, one; xenon flash tube; color temperature, 5600 K; flash duration, 1/1,000 sec; interval between flashes, 10 sec.



VARIANT-S

One-piece portable unit; weighs 1 lb; a.c. and nickel-cadmium battery operation; 65-degree beam angle; Kodachrome II guide number, 30; color temperature, 5600 K; flash duration, 1/1,000 sec; interval between flashes, 7 sec; transistorized circuit; bracket permits vertical horizontal, or bounce flash. Price, with charger, \$49.95.

DIST., King-Regula, Inc.

RICOH



RICONTRON

Portable; weight, 1 lb, 1/2 oz; power supply, a.c. with adapter, 9-volt dry battery; maximum energy input, 40 watt-seconds; operates at 9 volts; color temperature, 6000 K; flash duration

(one-lamp operation), 1/800 sec; interval between flashes, 5 sec; covering angle, horizontal, 60 degrees. Price, \$29.95, including a.c. adapter. DIST., Ricoh Industries, U.S.A., Inc.

SPEEDLIGHT CENTER

MIGHTY LIGHT AC

Portable, weighs 1/2 lb; 110 volts, a.c.; operates at 450 volts; for use with X shutters; Kemlite self-replacement reflector tube; 100,000 flashes per tube; flash duration 1/1000 sec; interval between flashes 5 sec with a.c. box; color temp 6300 K. Price, incl. a.c. power-supply, tube, reflector and bottom bracket, \$54.95; close-up ring, \$40.95. Accessory battery packs available; flashlight pack, \$30; rechargeable nickel-cadmium pack, \$52.00; pro dry pack, \$35.

MIGHTY LIGHT FLASHLIGHT UNIT

Similar to above but power is supplied by four flashlight batteries; 150 flashes per set of D cells; worn on belt or over shoulder. Price, \$64.95; accessory a.c. power supply, \$20.

MIGHTY LIGHT NICKEL CADMIUM

Similar to above, but uses 4 rechargeable nickel-cadmium batteries; cannot overcharge. Price, \$86.65; recharger, \$15.

MIGHTY LIGHT PROFESSIONAL

Similar to Mighty Light AC but power is supplied by a pro dry pack; 2,000 flashes per set of 2 491 batteries. Price, \$69.95; accessory a.c. power supply, \$20.

MIGHTY LIGHT DELUXE AC

Similar to Mighty Light AC but has twice the light intensity and weighs 2 lb; has 2 condensers. Price, incl. a.c. power supply, \$69.95; accessory pro dry pack, \$35.

MIGHTY LIGHT DELUXE PRO UNIT

Similar to above but power is supplied by a professional dry pack. Price, incl. batteries, \$84.95; accessory a.c. power supply, \$20.

MIGHTY LIGHT DELUXE NICKEL CADMIUM

Similar to Nickel Cadmium unit except it yields 75 to 100 flashes per charge. Price, \$101.65.

MIGHTY LIGHT PHOTO CELL AC UNIT

Same characteristics as the Mighty Light AC except that it can also be used as a slave unit. Price, \$79.95.

MIGHTY LIGHT DELUXE PHOTO CELL

Same characteristics as the Mighty Light Deluxe except that it can also be used as a slave unit. Price, \$94.95.

MIGHTY LIGHT

Portable unit; weighs 1 lb; operates on a.c., 4 D dry cells, or 4 nickel-cadmium D cells; operates at 450 volts; handles up to 2 flashtubes; 6200 K color temperature; 1/1,000-sec flash duration with 1-lamp operation; 5-sec interval between flashes; for use with X-synchronized shutters; DXR 3 flashtube; removable 5-in. reflector, cov-



ers 60 degrees; open-flash button; neon ready-light. Price, including camera bracket, \$54.95. Accessories include Close-Up Ring 6 attachment for shadowless light; mounts on lens adapter ring Series 6; price, \$40.95; Close-up Ring 7, for mounting on lens adapter rings Series 7, \$50.95. Other accessories include wide-angle reflector.

MFR., Speedlight Center

SPEEDOTRON

C 600

Semi-portable studio unit; weighs 13 lb; 115 volts, ac operation; flash duration, 1/600 sec; recycle time, 15 sec. Price, \$240.

MODEL C-800

Studio-type unit, separate flash-head and power-pack; weighs 3 lb; a.c. power supply; maximum energy input, 800 watt-seconds, operates at 900 volts; maximum light output, 38,000 BCPS; Kodachrome guide no., 150; maximum number flashtubes handled by power-pack, 4; provision for half-power output; color temperature, 6500 K; flash duration, 1/400 sec, interval between flashes, 20 sec; C-800 power-packs have sockets to accommodate four flashtube assemblies; M-10 reflector assembly; 1 1/2-in. reflector with adjustable collar for 45- or 70-degree light spread; 20-in. detachable cable; replaceable modeling bulb inside MW-6 flashtube. Price, \$461, including C-800 pack and one M-10 light assembly with tubes and cable.

MODEL P-300

Semi-portable unit; separate flash-head and power-pack; weighs 1 lb, 6 oz; power-pack 6 lb; a.c. power supply; maximum energy input, 200 watt-seconds, operates at 900 volts; maximum light output, 3000 BCPS; Kodachrome guide no., 44; maximum number of flashtubes handled by power-pack, 3; Kemlite MW-3 flashtube; color temperature, 6500 K; flash duration, 1/1,000 sec, interval between flashes, 8 sec; all power-packs have sockets to accommodate three flashtube assemblies; M-90 reflector assembly, 8 1/2-in. with revolving barn doors; 15-ft cables; three replaceable modeling bulbs, 25T8. Price, \$284, including 200-watt-second power-pack; accessories available, electronic trigger, \$15.

MFR., The Speedotron Co.

SPIRALITE

Portable; separate flash head and power pack; flash head weight, 12 oz; power pack weight, without four



C batteries, 8 oz; can be used on a.c.; maximum energy input, 40 watt-seconds; operates at 240 volts; beam angle, 70 degrees; Kodachrome II guide number, 40; color temperature, 6000 K; flash duration, 1/1,000 sec; interval between flashes, 5 sec; cadmium sulfide circuit monitor; transistorized. Price, \$12.95 for a.c. flash head, with 14 ft a.c. cord and coiled PC flash cord; with transistor battery pack, \$24.95. Accessories include four C batteries, \$1; long-life special energizer batteries, \$2.40 for set of four; brackets; bayonet flash mounts; synchronizer fittings; extension cords; polarizing attachment; twin bracket.

DIST., Spiratone, Inc.

ULTIMA

40/80

Portable, one-piece unit; accessory cordless booster doubles light output; transistorized monitor circuit; nickel-cadmium battery or a.c. operation; battery delivers 50 flashes at 40 watt-seconds, 20 at 80 watt-seconds; ready-light and audible signal; 8-sec recycling time with fully charged battery; exposure calculator. Price, with synch cord, a.c. connector, bounce-light attachment, accessory shoe bracket for off-camera use, \$79.95.

DIST., EPOI International Ltd.

ULTRABLITZ

METEOR SP

Single-piece construction; 80-watt-second output; full and half power; interchangeable nickel-cadmium battery; operational a.c. on 110/125/220 volts; automatic charging; 80-90 per charge at full power; 130-140 flashes per charge at half power; recycling time (a.c. operation); full power, 12 seconds, half power, 6 sec; battery operation, full power, 10 sec, half power, 5 sec; angle of coverage, 60 degrees; 5600 K; guide no. for Kodachrome II (ASA 25) 65-70; weighs 2 lb, 2 oz. Price, \$109.95, including charger and battery.



MONOJET UM

Portable one-piece unit; weighs under 15 oz; a.c. or 5.6-volt nickel-cadmium battery operation; maximum energy input, 40 watt-seconds; operates at 110-220 volts; 1,200 ECPS; 70x50-de-

gree beam coverage; ASA 25 guide number, 40-50; color temperature, 5600 K; flash duration, 1/1,000 sec; interval between flashes, 8-12 sec; retractable shoe mount and synch cord; 70-80 flashes per charge; transistorized monitor circuit. Price, with a.c. adapter, recharger, neck strap, \$74.95. Accessory straight bracket with shoe, \$2.25 and photo eye, \$21.95, available as accessories.



ROCKET

Portable one-piece unit; 110-volt a.c. or two C cell operation; maximum energy input, 25 watt-seconds; Kodachrome II guide number, 40; flash duration, 1/600 sec; interval between flashes, 10-15 sec with batteries, 12 sec on a.c.; rotating shoe mount for horizontal or vertical use. Price, with PC synch cord, \$29.95. Accessories: a.c. cord, \$1.25; straight bracket with shoe, \$2.25.

DIST., Allied Impex Corp.

AG-1 UNITS

ACCURA

AG FLASH ADAPTER REFLECTOR

Flashbulb socket converter with 2-in. reflector, permits use of AG flashbulbs in No. 5 sockets. Price, 98 cents.

DIST., Accura, Ltd.

ADOX

AG-1 B.C.

Miniature size, 1 3/4 x 1 3/4 in.; glossy-finish reflector, hard plastic case. Price, \$4.95.

DIST., Saul Bower, Inc.

AGFA

AGFALUX MODEL M

Slip-on style, non-removable external cord, continental tip; AG-1 lamp socket; bulb ejector; tilt provision for bounce flash; folding-fan-style reflector. Price, \$9.95, including case.



TULLY-K

Slip-on style flash; non-removable continental tip; uses 15-volt battery;

AG-1 baseless lamp socket; retractable reflector. Price, \$8.95.

TULLY-M

Slip-on style, shoe has built-in electric contacts, non-removable external cord, continental tip. AG-1 lamp socket; bulb ejector; retractable reflector; flash exposure calculator. Price, \$8.95 with leather case.

DIST., Agfa Inc.

ANSCOLITE



MODEL II

Flash unit attaches to camera accessory shoe; slip-on style; removable external cord, continental tip; AG socket; B-C power supply, 15-volt battery; circuit tester, bulb ejector; wide beam for wide-angle lenses. Price, \$8.95.

MFR., Ansco Products

AVIGO

AG-FLASH BOUNCE

For AG-1 flashbulbs; uses 15-volt B-C batteries; has 2 1/2-in. folding-fan

compact
transistorized
battery/AC
electronic
flash units

ULTIMA 40B

uses standard and
nickel/cad penlite batteries
Under \$30 with AC cord
Accessory nickel/cad charger \$5.95

ULTIMA 50

has built-in rechargeable
nickel/cad battery stack
Under \$50 with charger/AC cord

See descriptions elsewhere on this page
For complete details, write Dept. PD65

EPOI International Ltd.

111 Fifth Ave. New York 3, N.Y.

Subsidiary of Eberhard Photo-Optical Industries, Inc.

ELECTRONIC FLASH

continued

reflector; provision for bounce; coiled cord concealed in body of flash. Price, \$6.95.

DIST., Service Photo Industries, Inc.

BALDAFLASH



Slip-on style; has non-removable external cord; continental PC tip; accepts AG-1 bulbs; B-C power supply; uses one No. 504 1.5-volt battery; bulb ejector; 1 1/2-in.-diameter silvered aluminum reflector; exposure table for clear and blue bulbs; size, 1 3/8 x 2 1/8 in.; weighs 1 1/4 oz. Price, less battery, \$4.95.

DIST., Kling Photo Corp.

BOWER

PERFECTUS B.C.

Takes AG-1 and German baseless bulbs; size: 1 1/2 x 1 1/8 in. Price, with case, \$5.50.

POCKET SQUARE TYPE

Takes AG-1 bulbs; B.C. power with test light, ejector, retractable P.C. coil cord. Price, with case, \$4.50.

DIST., Saul Bower, Inc.

FR

MIDGET FOLDING 802

For use with all cameras; slip-on; non-removable cord with Continental tip; B-C unit, using one 1.5-volt battery; built-in firing button, circuit tester, and bulb ejector; provision for bounceflash; folding fan reflector.

MFR., The FR Corp.

KENT

AG-1 PENLITE

Slip-on type; non-removable cord; Continental tip; AG-1 lamp socket; uses two 1.5-volt batteries; circuit tester; bulb ejector. Price, with case, \$4.95.

MFR., Kalimar, Inc.

KINE

AG AUTOMAT

Slip-on style; B-C power supply; retractable coiled cord with PC tip; accommodates six AG bulbs for repeat flashes; built-in tester; exposure guide; Fresnel lens; blue screen for color. Price, \$8.95.

DIST., Kine Camera Co.

KODAK

SUPERMITE FLASHHOLDER

Adapts (with universal Flashholder bracket) to ASA bayonet or Conti-

mental connectors, also for direct attachment to most Kodak cameras by means of direct screw-in Kodalite fittings; uses two AA batteries or Kodak Midget B-C Pack. Price, under \$4.55.



EKTAMITE FLASHHOLDER

Fits cameras with accessory shoes and continental connections; uses AG-1 flashbulbs; uses two N size manganese alkaline batteries; bulb ejector; snap-off back for changing batteries; exposure guide; flash guard. Price, less batteries, under \$6.

MFR., Eastman Kodak Co.

MINOLTA



BABY B-C III

B-C unit; for use with all cameras with M synchronization; uses 1.5-volt battery; 1 1/2 x 1 1/4-in. square folding-type reflector; standard AG-1 lamp socket; test lamp, case. Price, \$5.95.

DIST., Minolta Corp.

MINOX B/C

MODEL U

B-C unit; has non-removable cord with continental tip; accepts AG-1 bulbs only; uses one Eveready No. 504 battery; bulb ejector; polished chrome retractable reflector. Price, with leather belt case, \$12.50.

DIST., Minox Corp.

RICOH



RICOLITE V

Slip-on style; non-removable external cord; AG-1 lamp socket; B-C power supply, one battery; built-in circuit tester, bulb ejector, extension outlet; repeater type. Price, \$12.95.

DIST., Ricoh Industries, U.S.A., Inc.

SUNSET



NO. 100

Slip-on flash, fits all cameras with standard accessory clip; continental tip; nonremovable external cord; B-C power supply, uses one 1.5-volt battery; circuit tester; built-in bulb ejector and flash calculator dial; satin-finish folding-fan reflector. Price, \$5.95, with case.

DIST., Interphoto Corp.

VOIGTLANDER



AG-1 FLASH

Slip-on style with non-removable cord; PC tip and shoe sync; B-C power supply; uses one No. 504 battery; bulb ejector. Price, \$6.95.

DIST., H. A. Bohm & Co.

STANDARD

ACCURA



B-C unit; for use with Polaroid Land cameras having PC terminals; uses

22½-volt battery; 15 blade, 6-in. folding reflector, pebble finish, adjustable for various bulb sizes; bayonet lamp socket; interchangeable cord; bulb ejector; test lamp; blade holder. Price, \$7.95.

EXTENSION FLASH

Removable; bayonet lamp socket; bulb ejector; extension outlet; provision for bounce flash; 5½-in. folding-fan reflector with pebble finish; connecting cord with household plug for use with any flashgun with standard extension outlet. Price, \$4.95 with C-clamp, reflector, cord.



BOUNCEMASTER MS

Similar to above but also has bayonet and miniature lamp socket; uses 22½-volt batteries; firing button; one extension outlet; 5½-in. folding-fan reflector; adjustable beam, dual socket; two flash dials; extra AG adapter-reflector. Price, \$9.95 with case.

PENFLASH

Slip-on style flash; continental non-removable external cord; dual miniature and M2 bayonet lamp socket; operates on two penlight batteries; built-in bulb ejector; 4¼-in. adjustable reflector, pebble tan finish, folding fan style; detachable cord. Price, \$3.95.

DIST., Accura, Ltd.

ALPEX

4 WAY

Slip-on B-C unit; non-removable cord; Continental tip; bayonet, miniature, baseless, and AG-1 lamp socket; uses one No. 504 battery; firing button; circuit tester; bulb ejector; click stop, swivel head for bounce flash; folding-fan 4½-in. reflector adjustable for various bulb sizes; concentric grooves, satin-finish, two-position reflector; flash calculator dial; oversize test light. Price, with leather case, \$9.95.



BC-605

Folding B-C flash gun for use with Ricoh 35-mm and reflex cameras as

well as other make cameras. Built-in electric shoe connection. Dual-tip ASA & PC cord; bulb ejector; extension outlet; test bulb. Price, including pigskin case, \$8.95 (battery extra).

DIST., Allied Impex Corp.

AVIGO

BC-50

Slip-on style; continental, non-removable external cord; bayonet, miniature lamp socket; uses 22½-volt batteries; circuit tester; bulb ejector; 5-in. folding-fan reflector; built-in M-2 adapter. Price, \$5.95.

CROWN BOUNCE FLASH

For all cameras having internal sync; slip-on style; ASA, continental, removable reflector; bayonet miniature lamp socket; B-C unit; uses 22½-volt battery; 5-in. folding-fan reflector; flashgun adjusts for both horizontal and vertical bounce; removable coiled cord; provision for adjusting camera in six different positions. Price, \$11.95; built-in M2 adapter.

IMPERIAL-BOUNCE

Slip-on style, removable, ASA, continental, external cord; bayonet miniature lamp socket; B-C unit; 22½-volt batteries; firing button; circuit tester; bulb ejector; one extension outlet; provision for bounce flash; adjustable for various bulb sizes; 5-in. folding-fan reflector; self-enclosing. Price, \$11.95.

MINI-BOUNCE

3-in. folding-fan reflector; provision for bounce flash; and uses M5- or M2-type bulbs. Price, \$7.95.

P-40 PENFLASH

Slip-on style; non-removable, continental, external cord; bayonet miniature lamp socket; conventional power supply; firing button; circuit tester; bulb ejector; uses 2 pen-light batteries; 5-in. folding-fan reflector. Price, \$4.95.

DIST., Service Photo Industries, Inc.

BOWER

BOUNCE FLASH B.C.

Slip-on flash; has continental non-removable external cord, continental tip; bayonet lamp socket; B-C power supply using one 22½-volt battery; click stops for bounce flash; built-in circuit tester and bulb ejector; 5-in. diameter all-metal reflector has semi-gloss finish; dual socket. Price, \$6.95, includes case. Model using two pen-light batteries, \$4.95.

DUETTE

Slip-on style; non-removable cord; continental tip; miniature bayonet lamp socket; nickel-cadmium cell for power; circuit tester; bulb ejector; 5-in. folding-fan reflector; cell rechargeable from an ac outlet, fires 2,000 bulbs after full recharge which takes about 13 hours. Price, \$16.95. Includes case and separate light head.

PENLITE

Slip-on style; non-removable external, continental tipped cord; bayonet lamp socket; uses 2 pen-light batteries; circuit tester; bulb ejector; 5-in. folding-fan reflector; flash exposure guide. Price, \$3.95.

DIST., Saul Bower, Inc.

ECONOMY

B-C pocket flash unit with folding 5-inch reflector; takes 22½-volt battery; extension outlet. Price, with cord, \$4.95.

DIST., Sterling-Howard Corp.

EMOLUX

Flash has ASA removable external cord; baseless lamp socket; uses No. 91 battery; takes AG bulbs only; reflector is raised upward or pushed downward into battery case. Price, \$6.95.

DIST., Camera Specialty Co.

FERRANIA



MICROLAMPO B-C

B-C unit for bayonet, M-2, and baseless bulbs; folding reflector; test light; ejector; open-flash button; adjustable locking shoe; P-C cord; takes 22½-volt battery. Price, without battery, \$8.95.

DIST., G. A. Buttafari

FLEXOFASH

DUAL

Slip-on flash; designed for PC shutter; has removable continental PC external cord; miniature bayonet lamp socket; B-C power supply uses one 22½-volt battery; built-in firing button, circuit tester, bulb ejector; provision for bounce flash; reflector is adjustable for various bulb sizes, 5-in. in diameter, has wrinkle finish, adjustable beam has a range of 10 ft to inf., folding-fan style; four-position bounce. Price, \$7.95, includes case.

DIST., Bogen Photo Corp.

FR

FOLDING FLASH

For all shutters with PC fittings; slip-on; non-removable cord with Continental tip; miniature socket;

CONVENTIONAL FLASH

continued

uses two penlight batteries; built-in firing button, circuit tester, and bulb ejector. Price on request.

MFR., The FR Corp.

GRAFLEX



GRAFLITE FLASH SYNCHRONIZERS MODEL 2736

For cameras with between-the-lens shutters; 3-cell battery case; 5-inch reflector; high resistance, inertia-type solenoid; 3-position series-parallel switch; 5 identified outlets; automatic lamp ejector; micromatic switch; right or left mounting; heavy duty clamp; remote control outlet; provision for multiple battery connections. Price with solenoid, mount, connecting cord, \$48.95.

MODEL 2738

Same as above Model 2736, but with 7-in. reflector. Price \$48.95. Accessories for Graflite synchronizers include 5 and 7-in. reflectors, extension tubes, connecting cords, side-lighting units, mounting brackets, safety shield for 5-in. reflectors; diffusion shield for 5-in. reflector.

GRAFLITE FLASHING UNITS

For use with Graphic-Graflex cameras and others having built-in flash synchronization; lightweight battery case; 5 or 7-inch reflectors; 3-position series-parallel switch; 5 identified outlets; automatic lamp ejector; micromatic switch; right or left mounting; clamp; remote control outlet; provision for multiple battery case connections; right angle and platform brackets for use with miniature and reflex cameras having built-in synchronization. Prices: Model 2725, 2-cell case and 5-inch reflector, \$29.95; Model 2727, 2-cell case, 7-inch reflector, \$29.95; Model 2735, 3-cell case, 5-inch reflector, \$29.95; connecting cords and mounting brackets extra; Model 2737, 3-cell case, 7-in. reflector, \$29.95.

GRAFLITE JR.

B-C unit; for all cameras with synchronized shutters; 2-cell battery case; 5-in. reflector; universal bracket. Price, \$19.95; with reflex bracket, \$19.95; with Graflite clamps, \$22.95; cords available from \$2.25. Accommodates most Graflite accessories. MFR., Graflex, Inc.

HARMONY

B.C. BOUNCE

Slip-on style; ASA removable external cord; baseless miniature lamp socket; B-C power supply uses one 22½-volt battery; built-in firing button, circuit tester, and bulb ejector; one extension outlet; adjustable for various bulb sizes; folding style reflector; uses M2 and AG baseless flashbulbs; PC magnetic synchronizer. Price, \$7.25.

DIST., Oscar M. Rabinovitz.

IKOBLITZ



MODEL 5

Slip-on B-C unit; uses one 15-volt battery; non-removable cord; miniature bayonet lamp socket; removable adapter for M5 and M25 bulbs; 4-in. folding-fan reflector, tilting type. Price, \$9.95.

S SPECIAL

Similar to above but has direct cordless contact for Contessa LK and LKE, Confessamat SE and SBE, Confessamatic E, Contaflex Super B cameras. Price, \$9.95.

DIST., Carl Zeiss Inc.

KENT

PENLITE

Slip-on unit; non-removable cord; Continental tip; bayonet and miniature lamp socket; uses two 1.5-volt batteries; circuit tester; bulb ejector; folding-fan reflector; built-in exposure guide. Price, with case, \$5.95.

M-S BC

Slip-on B-C unit; non-removable cord; Continental tip; bayonet and miniature lamp socket; uses one 22½-volt battery; circuit tester; bulb ejector; provision for bounce flash; folding-fan reflector; built-in test button and test light. Price, with case, \$7.95.

MINI-MAG BC

Slip-on B-C unit; spring-type non-removable coil cord connector; Continental tip; for M-2 and AG-1 bulbs; uses one Y-10 battery; circuit tester; bulb ejector. Price, with case, \$5.95.

PM MAG-S

Slip-on B-C unit; non-removable cord; Continental tip; triple socket for No. 5, M2, and AG-1 bulbs; uses one Y-15, 22½-volt battery; circuit tester; bulb ejector; folding-fan reflector swivels 90 degrees for bounce flash; folds to form its own case. Price, \$9.95.

DIST., Kalimar Inc.

KINE

BOUNCE FLASH

Slip-on style; non-removable, continental, ASA external cord; bayonet

and miniature lamp socket; one capacitor 412 battery; circuit tester; bulb ejector; 5-in. folding-fan reflector. Price, \$6.95.

DIST., Kine Camera Co., Inc.

KODAK



GENERATOR FLASHHOLDER TYPE 1

Folding, self-enclosing G-C flash gun; powered by generator; electricity is generated by turn of nylon hand wheel, is stored in capacitor; accepts M-2 and bayonet-base bulbs. Built-in flash calculator reads in both f and EVS numbers; folds up to about 3/4x3 1/4 in. Type I has direct Kodalite fittings; for use with Brownie Star, Pony, and Signet cameras. Price, under \$14.

KODALITE SUPER-M40 FLASHHOLDER

Flash unit for most synchronized cameras with ASA or continental flash connectors; attaches directly to Kodak cameras with screw-in Flashholder fittings; complete with 3- and 4-in. reflectors for maximum illumination from No. 5, 25, M2, M3, M5, or M25 flashbulbs; sliding flash calculator; uses Kodalite Midget B-C Flashpack or 2 pen-light batteries. Price, under \$9.



MIDGET FLASHHOLDER

Kodalite fittings for most Kodak and Brownie cameras; operates on 2 pen-light batteries or midget B-C pack; uses 5, 25, M3, M5, or M25 bulbs; 3-in. reflector; exposure guide on back; bulb ejector; black or brown finish. Price, without batteries, under \$4.55.

MFR., Eastman Kodak Co.

LEITZ

CEYOO

For use with all Leica and other synchronized cameras; 22½ volt, B-C batteries; shallow matte finish 6½" reflector which adjusts for various bulb sizes; bayonet and standard

lamp socket; folding reflector. Price, \$33. Angle bracket, multiple and extension flash accessories available. DIST., E. Loft, Inc.

LITE-MITE

1-12 & 1-4

B-C flashing unit for synchronized cameras; open-shut or remote control push button switch; uses type 412 or equivalent batteries. Model 1-12 can be used with up to 12 lamps at a time; Model 1-4 can be used with up to 4 lamps. Price, Model 1-12, \$47.50; Model 1-4, \$41.75.

MFR., Lightning-Lite Co.

MAKO



Underwater B-C unit for synchronized still cameras; for magnum or bayonet-base bulbs. Price, \$48.50, including installation in housing.

MFR., Mako Products

MINIFLASH

MODEL 1

B-C flash unit for use with Argus cameras, model 75, 40, FA, and A4. Takes 22½-volt battery; 5-in. detachable polished reflector. Price, \$1.95.

DIST., A. G. Photo Distributors

MINILUX



Pocket-size B-C flash unit with 5-in. folding reflector; uses 22½-volt battery; built-in test lamp; ejector, bracket, cord, leather case. Price, \$5.95.

DIST., Sterling-Howard Corp.

MINOLTA

B-C DE LUXE

For Minolta and other cameras with standard built-in synchronization; uses 15-volt battery; 5-in. folding reflector; bayonet lamp socket; built-in test lamp; two test lamps for shut-



ter, bulb, built-in bulb ejector; flash cord has PC and ASA terminals; accepts standard, M2, and AG-1 bulbs; four-way bounce flash. Price, incl. capacitor and case, \$9.95. No bracket necessary.

DIST., Minolta Corp.

NIKON

B-C 5

B-C unit; fits cameras with accessory shoe contact; requires no external wires; uses 22½-volt battery; tilting head for bounceflash; folding fan-type reflector; charge and circuit test bulb; bulb ejector. Price, incl. leather case, \$19.95.

B-C 6

B-C unit, fits accessory shoe; cord connection with PC tip; two built-in test circuits; satin-finish reflector; bulb ejector. Price, \$10.50, including case and battery.

DIST., Nikon Inc.

PM

MULTI-MAG BC

Slip-on B-C unit; non-removable coiled cord; Continental tip; for miniature and AG-1 bulbs; uses one Y-10 15-volt battery; circuit tester; bulb ejector; folding-fan reflector swivels 90 degrees for bounce flash. Price, \$7.95.

DIST., Kalimar Inc.

POLAROID®



WINK-LIGHT

Fill-light for room lighting; for indoor use with black-and-white 3000 Speed Polaroid Land Picture Roll (also Polacolor film with addition of No. 256 flasher); repeating bulb; synchronized with shutter; uses battery for over 1000 flashes each; comes with tiny auxiliary flasher No. 256, to be used with white AG-1 bulbs for extreme-distance black-and-white pictures, with blue AG-1B bulb for direct flash color pictures; outfit includes 4-stop neutral density filter to fit any Polaroid Land camera, permits use of 3000 Speed Picture Roll outdoors

without overexposure. Model 250 fits Land cameras 80A, 80B, 150, 800, 850, 900, 110A, 110B. Model 252 fits cameras 95A, 95B, 100, and 700.

MFR., Polaroid Corp.

RICOH

BC 605D

Slip-on style, shoe has built-in electric contacts, removable external cord; medium screw, bayonet, miniature, AG-1 lamp socket; 8-C power supply, uses one 22½-volt battery; built-in firing button, circuit tester, bulb ejector, two extension outlets; reflector is adjustable for various bulb sizes, is folding-fan style. Price, \$8.95.

DIST., Ricoh Industries, U.S.A., Inc.

ROLLEIFLASH



MODEL 2

Designed for Rollei cameras but adapts to others by means of a shoe adapter; has special bayonet mounts for all Rollei models; self-adjustable socket for miniature, baseless, and bayonet bulbs; 8-C unit, using one 22½-volt battery; built-in firing button, circuit tester, and bulb ejector; extension outlet fires two RolleiFlash Comb. 2 extensions; provision for bounceflash; 4-in. polished pebbled reflector; adjustable beam; exposure guide. Price, incl. connecting cord, \$27.50; RolleiFlash Comb. 2 extension, \$17.50.

DIST., Honeywell Photographic Products

SAMIGON

3-WAY

Slip-on style, non-removable external cord, continental tip; bayonet AG-1 lamp socket, miniature; 8-C power supply, No. 412 battery; firing button, circuit tester, bulb ejector, one extension outlet, provision for bounce flash; reflector is adjustable for various bulb sizes; has chrome finish, is folding-fan style; cord is retractable into flashgun body. Price, \$7.95.

MFR., Samigon Corp.

SUNSET



NO. 200X

Slip-on flash, fits all cameras with standard accessory clip and PC-type fitting; accepts M-2 and AG-1 bulbs; nonremovable external cord; confi-

CONVENTIONAL FLASH

continued

nental tip; B-C power supply, uses one 15-volt battery; built-in circuit tester and bulb ejector; flash calculator dial; satin-finish folding-fan reflector. Price with case, \$7.95.



NO. 500

Slip-on flash, fits all cameras with standard accessory clip and PC-type fitting; accepts M-2 bulbs; nonremovable external cord; continental tip; B-C power supply, uses one 15-volt battery; built-in circuit tester and bulb ejector; flash calculator dial; provision for bounce flash; satin-finish folding-fan reflector. Price, with case, \$8.95.

DIST., Interphoto Corp.

TELESAR

ALL METAL

Slip-on; removable cord with Continental tip; bayonet and miniature socket; B-C unit, using a 22½-volt No. 412 battery; built-in firing button, circuit tester, and bulb ejector; provision for bounce flash; adjustable folding-fan reflector; all-metal body. Price, incl. case, \$8.95.

MODEL IV

Slip-on; removable cord with Continental tip; miniature socket; B-C unit, using a 22½-volt No. 412 battery; built-in circuit tester and bulb ejector; provision for bounce flash. Price, incl. case, \$3.95.

MASTER BOUNCE

Flash equipment for use with Polaroid camera; slip-on style, shoe has built-in electric contacts; continental external cord is removable; miniature, bayonet lamp socket; B-C power supply, 22½-volt No. 412 batteries; circuit tester; bulb ejector; one extension outlet; provision for bounce flash; folding-fan style; when folded, reflector folds over flashgun to form complete case. Price, \$11.95, includes case.

PEN-LIGHT

Slip-on; non-removable cord with Continental tip; bayonet socket; uses 2 Penlite batteries; built-in circuit tester and bulb ejector; folding-fan reflector. Price, incl. case, \$4.49.

DIST., Masel Supply Co.

U.S.C.

F-10 UNIVERSAL

Fits camera accessory clip; nonremovable, continental, external cord; b-c unit; uses one 22½-volt battery; bulb ejector. Price, \$2.95.

DIST., United States Camera Corp.

VERNON

SWIVATILT

Slip-on style; removable external cord; continental tip; B-C power

supply; uses 15-volt battery; circuit tester; bulb ejector; provision for bounce flash; 3-way socket accepts bayonet, miniature, and baseless bulbs; reflector adjusts for bulb size; folding-fan style reflector; adjustable beam; coil cord; hinged cover. Price, \$9.95.

DIST., Vernon Photographic Corp.

WATALUX

MODEL X2

Slip-on style, shoe has built-in electric contacts, non-removable external cord; twin AG-1 lamp sockets; B-C power supply, uses 15-volt battery; built-in bulb ejector; twin reflectors in which two bulbs can be fired individually or successively; vinyl case. Price, \$7.95.

DIST., Oscar M. Rabinovits

WHITE RAY

WIDE-ANGLE FLASH

MODEL A

Nonfocusing, screw-base flash for wide-angle photography; twin reflectors to produce even coverage of wide area. Price, \$19.95.

MFR., Burke & James, Inc.

SLAVE UNITS, SYNCHRONIZERS

ACCURA

ACCU-SLAVE

Works with conventional or electronic flash; has rotating shoe, tripod socket, on-off switch; accepts any shoe-mounting flash with PC cord. Price, \$14.95.

DIST., Accura, Ltd.

KODAK



ELECTRIC-EYE REMOTE

Cordless, remote-controlled unit will permit picture-taker to use additional light sources; weighs less than 6 oz; powered by silicon photovoltaic cell; two transistors, three small AAA batteries (not supplied); folds for easy carrying in gadget bag or coat pocket; accepts No. 5, 25, M2, M3, M5, and M25 flashbulbs. Price, under \$20.

MFR., Eastman Kodak Co.

MINISYNCH

Synchronizing unit consisting of a single screw-on release designed for all unsynchronized models of Canon, Kardon, Leica, or similar cameras; synchronizes at speeds up to 1/30 sec, and electronic flash; two side outlets for connection of flash cord having European tips. Price, \$5.95.

DIST., A. G. Photo Distributors

SLAVEY V



Remote slave unit; operates on battery or household ac current; separate outlets for flashbulbs or electronic flash units; sensitive up to 300 feet. Price, \$14.95; a-c adapter, \$5.95.

MFR., Sterling-Howard Corp.

SPIRATONE



ELECTRIC EYE SLAVE UNIT MODEL FS

Works with conventional or electronic flash; has rotating shoe, tripod socket; accepts any shoe-mounting flash with PC cords. Price, \$9.95.



UNIVERSAL TRIPPER

Mechanical synchronizer; adjustable; for synchronizing any flashbulb or electronic-flash unit for all cameras with standard cable-release sockets. Price, \$2.75; leather case, 19 cents.

DIST., Spiratone, Inc.

TELEFLASH

Wireless slave unit with photo tube, equipped with C-clip and adjustable swivel mount; operates on 4 batteries No. 413 30-volt; polished reflector, 5-in. diameter; bayonet lamp socket. Price, \$79.

MFR., Graflex, Inc.